SERVICE MANUAL

AE-2 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-X2561A	RM-830	Italian	SCC-F18H-A	KV-X2563E	RM-830	Spanish	SCC-F33H-A
KV-X2560B	RM-830	French	SCC-F32G-A	KV-X2561K	[*] RM-830	OIRT	SCC-F72D-A
KV-X2561B	RM-830	French	SCC-F71D-A	KV-X2562U	RM-830	UK	SCC-F25G-A
KV-X2561D	RM-830	AEP	SCC-F26H-A				







ITEM MODE	L Television system	Stereo system	Channnel coverage	Color system
Italian	B/G/H, D/K	GERMAN Stereo	ITALIA VHF:A-H2 (C) UHF:21-69 PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
French	B/G/H, D/K L, 1	GERMAN Stereo	L VHF:F02-F10 UHF:F21-F60 CABLE:B-Q B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69 I UHF:B21-B69	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
AEP	B/G/H, D/K	GERMAN Stereo	PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
Spanish	B/G/H, D/K	GERMAN/NICAM Stereo	PAL B/G VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
OIRT	B/G/H, D/K	GERMAN Stereo	B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 D/K VHF:R1-R12 UHF:R21-R60	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
UK		NICAM Stereo	UHF:B21-B69	PAL SECAM, NTSC 4.43 NTSC 3.58 (VIDEO IN)

MODEL	Italian	French	AEP	Spanish	OIRT	UK
Power consumption	96 Wh	108 Wh	108 Wh	107 Wh	108 Wh	151 Wh

Picture tube

Hi-Black Trinitron

Approx. 63 cm

(Approx. 59 cm picture measured

diagonally)
110 °-deflection

[REAR]

-Ö 1 21-pin Euro connector

(CENELEC standard)

Inputs for audio and video signals

• inputs for RGB

· outputs of TV video and audio signals

→ 2/- 2 21-pin Euro connector

· inputs for audio and video signals

• inputs for S video

 outputs for audio and video signals (selectable)

→ 2, S video input

• Audio inputs (L, R) -phono jacks

S video output - 4 pin DIN

→ Audio outputs - phono jacks

→ Audio outputs (Variable) - phono jacks

[FRONT]

→ 3 Video input-phono jack

◆ Audio input-phono jacks

-⊕ 3 S video input 4-pin DIN

 Ω Headphone jack : Stereo minijack

Sound output

2×15 (RMS)

2×30 (Music)

Power regirement

220-240 V

Dimensions Weight Approx.575 x 488 x 487 mm

weight

Approx.37 kg RM-830 Remote Commander (1)

Supplied accessories

IEC designation R 6 batteries (2)

IEC designation it

Other features

NICAM, FASTTEXT

[RM-830]

Remote control system

infrared control

Power requirements

3 V dc

2 batteries IEC designation

R 6 (size AA)

Dimentions

Approx.65 \times 225 \times 21 mm (w/h/d)

Weight

Approx.157g (Not including Batteries)

Model name	KV-X 2561 A	KV-X 2560 B KV-X 2561 B	KV-X 2561 D	KV-X 2563 E	KV-X 2561 K	KV-X 2562 U
Pal Comb	OFF	OFF	OFF	OFF	OFF	OFF
PiP	OFF	OFF	OFF	OFF	OFF	OFF
RGB Priority	ON	OFF	OFF	OFF	OFF	OFF
Woofer Box	OFF	OFF	OFF	OFF	OFF	OFF
Scart 1	ON	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON	ON	ON
Scart 4	OFF	OFF	OFF	OFF	OFF	OFF
Dyn. Convergence	OFF	OFF	OFF	OFF	OFF	OFF
Projector	OFF	OFF	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON	ON	ON
Norm B/G	ON	ON	ON	ON	ON	OFF
Norm I	OFF	ON	OFF	OFF	OFF	ON
Norm D/K	ON	ON	ON	ON	ON	OFF
Norm AUS	OFF	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	ON	OFF	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF	OFF
Language Preset	Italiano	Francais	Deutsch	None	English	English

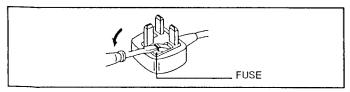
Warning (UK Model only)

The flexible mains lead is supplied connected to a B.S. 1363 fused

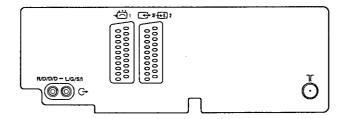
The flexible mains lead is supplied connected to a B.S. 1363 fused plug having a fuse of 5 amp capacity. Should the fuse need to be replaced, use 5 AMP FUSE approved by ASTA to BS 1362, ie. carries the mark.

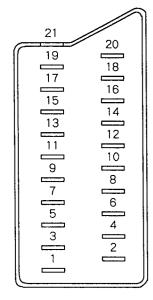
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR YOUR SOCKET OUTLETS IN YOUR HOME. IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF FNGAGED IN A LIVE SOCKET OUTLET. IF ENGAGED IN A LIVE SOCKET OUTLET.

When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.



21 pin connector (♂1 →2/→4)





Pin No	1	2	Signal	Signal level
1	0	0	Audio output B (right)	Standard level: 0.5Vrms Output impedance: Less than 1kohm *
2	0	0	Audio input B (right)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
3	0	0	Audio output A (left)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
4	0	0	Ground (audio)	
5	0	0	Ground (blue)	
6	0	0	Audio input A (left)	Standard level : 0.5Vrms Input impedance : More than 10kohms *
7	0	•	Blue input	0.7 ± 3dB, 75ohms, positive
8	0	0	Function select (AV control)	High state (9.5 - 12V): Part mode Low state (0 - 2V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2nF
9	0	0	Ground (green)	
10	0	0	Open	
11	0	•	Green	Green signal: $0.7V \pm 3$ dB, 75 ohms, positive
12	0	0	Open	
13	0	0	Ground (red)	
14	0	0	Ground (blanking)	
	0	-	Red input	0.7V ± 3dB, 75ohms, positive
15	_	0	(S signal) croma input	0.3V ± 3dB, 75ohms, positive
16	0	•	Blanking input (Ys signal)	High state $(1-3V)$ Low state $(0-0.4V)$ Input impedance : 75ohms
17	0	0	Ground (video outpu	it)
18	0	0	Ground (video input)
19	0	0	Video output	$1V \pm 3dB$, 75ohms, positive Sync: 0.3V (-3, +10dB)
	0	-	Video input	1V ± 3dB, 75ohms, positive Sync: 0.3V (-3, +10dB)
20	_	0	Video Input/Y (S signal)	1V ± 3dB, 75ohms, positive Sync: 0.3V (-3, +10dB)
21	0	0	Common ground (pl	ug, shield)

O Connected • unconnected (open) * at 20Hz - 20kHz

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ${\mathbb A}$ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND. IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

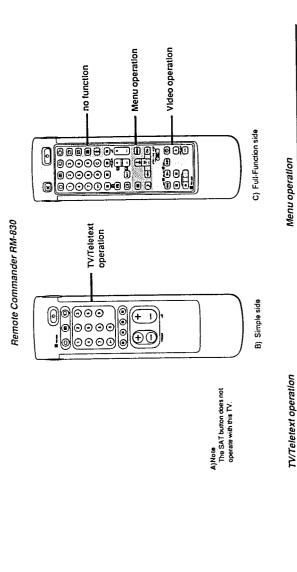
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE A SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV set-front

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.



Symbol	Name	Refer to page
	Muting on/off button	14
Ð	Standby button	13
0	TV power on/TV mode selector button	55
₽	Teletext button	14
ဓ	Input mode selector	4
ф	Output mode selector	21
1,2,3,4,5,6, 7,8,9,and 0	Number buttons	5
	Double-digit entering button	13
ပ	Direct channel entering button	10
41-	Volume control button	13
PROGR+4	Programme selectors	13
(E) (E)	Teletext page access buttons	17
•	Picture adjustment button	15
4	Sound adjustment button	15
. 🖭	On-screen display button	4
&	Teletext hold button	17
9	Time display button	4.
	Fastext TOP-text buttons	17

Refer to page

Name

Video operation

ន ន

Video equipment selector

Symbol VTR1/2/3,

МDР

Video equipment operation buttons

MI ■ © PROGR +/-

A A V

Note: The buttons 🥝 , ↑ , 🙆 , 🕒 do not operate with this TV.

Refer to page

Name

Symbol

Menu on/off button

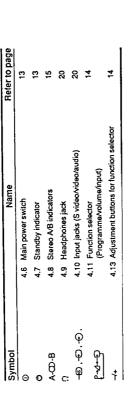
Select buttons

MENU ∆+⁄7-

š

OK (confirming) button

Back button



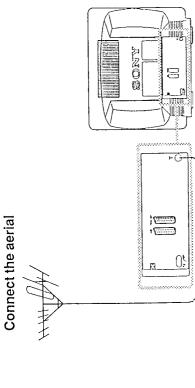
000 **600 0**00

. J

1-2. STEP 1 PREPARATION

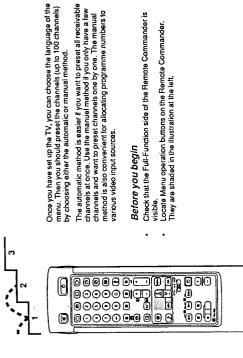


1-3. STEP 2 CONNECTION



Fi an IEC aerial connector attached to 75-ohm coaxial cable (not supplied) to the Tr socket at the rear of the TV. Make sure to use an aerial cable, which corresponds to the relevant regulations.

1-4. STEP 3 TUNING IN TO TV STATIONS



various video input sources.

Check that the Full-Function side of the Remote Commander is Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.

Choose a language

- Depress 0on the TV.
 The TV will switch on. If the standby indicator on the TV is lit, press Or or a number button on the Remote Commander.
 Press MENU.
 Press MENU.
 The LANGUAGE menu appears (see Fig. 1).
 Select the language you want with △+ or ▽- and press OK.

MENU

Display the Menu

Press the ← button.

The main menu appears (see Fig. 2).

Now, choose one of the following methods

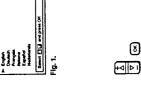
Preset Channels automatically

To go back to main

menu Keep pressing ←.

To go back to the normal TV picture Press MENU. Note on the DEMO

or «Preset Channels manually».





If you choose
Demo- on the main
menu, you can see a
sequential
demonstration on the
menu functions.
Press MENU to stop
the function.

3 Vith this method,

Preset channels automatically

Select *Preset* with \triangle + or ∇ - and press OK. The PRESET menu appears. (See Fig.3.)

To stop automatic channel presetting Press ← on the Remote Commander. rou can preset all eceivable channels at once.

2 Select »Auto Programme» with $\Delta +$ or $\nabla -$ and press OK. The AUTO PROGRAMME menu appears. (See Fig.4.)

3 Press OK.

channels automabally, you can check which channels are streed on which programme positions. For odeals, see -Using the Programme Table on page 16. Notes - After presetting the

screen in the order you like. For details, see - Exchanging You can exchange the programme positions to have hem appear on

Programme Positions - on page 10.

Seed [] and press OK

Select [1] and press OK 90 E Flg. 4. 23

4 Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit Press OK repeatedly until the first element of the "PROG" number is highlighted.

number with △+ or ∇- or the number buttons (e.g. For *04*,

select *0* here) and press OK. The second element of *PROG* will be highlighted.

PROG CH CIG C25 SYS

5 Select the second element of the double-digit number with △+ or ∇-or the number buttons (e.g. For •04•, select •4• here) (See Fig. 5.) and press OK.

6 The automatic channel presetting starts. When presetting is finished, the PRESET menu reappears. All available channels are now stored on successive number buttons.

Please refer to "Television channel Number Guide" on page 25.

number, go to step *7-Manual*,

If you have made a mistake Press ← to go back to the previous position.

To go back to main Keep pressing ←

Seed [1] and press ()

2 Select -Manual Programme Preset• with ∆+ or ▽─ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 7.)

- Auto Programme Manuel Programme Preset Programme Exchange Parental Lock

Preset channels manually

Use this method if there are only a few channels in your area to preset or if you

want to preset channels one by one. You may also

allocate programme numbers to various video input sources.

position. To go back to main menu

Keep pressing ←.
To go back to the normal TV picture Press MENU.

mIstake Press ← to go back to the previous

If you have made a

1 Select *Preset* with △+ or ▽− and press OK. The PRESET menu appears. (See Fig.6.)

To go back to the normal TV picture Press MENU.

. 5555555555555555

Select [] [] and press OK

To tune in a channel by Irequency Atter selecting Fin step 6, enter three digits using the number buttons. Press OK.

-a Select the first element of the "CH" number with $\Delta + / \nabla -$ or the number buttons and press OK. The second element of the "CH" number will be highlighted. if you don't know the channel number, go to step *7-Search*. 7 Manual

-b Select the second element of the number with \triangle + / ∇ - or the Press OK.
 The *SEARCH* position is highlighted and the selected channel is noe stored. (See Fig. 11.). number buttons. The selected number appears. (See Fig. 10.).

-d Press OK until the cursor appears by the next programme position.

• Repeat steps 3 to 7 to preset other channels. : 7 Search -a Press OK repeatedly until the colour of the SEARCH position

 b Start searching for the channel with △+ (up) or ▽- (down).
 The CH position changes colour. (See Fig. 12.).
 The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13). changes.

-c Press OK if you want to store this channel. If not, press $\Delta +$ or ∇ – to continue channel searching.

-d Press OK until the cursor appears by the next programme

Repeat steps 3 to 7 to preset other channels.

2 BG CE (of) (on) Flg. 8. 4 Keep pressing ∇ – to select programme numbers higher than 10. Select, if necessary, a video inout source (EXT) with ∇ + or ∇ –. Then press OK. The first element of the CH position will be highlighted. (See Fig. 8) Using △+ or ▽-, select the programme position (number button) to which you want to preset a channel, and press OK.

Flg. 9. 3 57 6 Using $\triangle +$ or $\nabla -$, select C (to preset a regular channel), or F (to tune in by frequency) and press OK. The first sement of the $\bullet CH +$ number will be highlighted. If you have selected EXT in step 4, select the video input source with $\triangle +$ or $\nabla -$. (See Fig. 9).

There are two ways to preset channels. If you know the channel

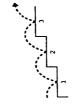
2 B/G C/29 (off) (on)

2 Brd C35 (of) Fig. 11. Flg. 10.

2 B/G C35 (04) Fig. 12. 2 8/G C35 (4 Flg. 13.

11

1-5. ADDITIONAL PRESETTING FUNCTIONS



This section shows you additional presetting functions such as exchanging or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote
- Commander is visible.
- Locate the Menu operation buttons.

Exchanging Programme Positions

PROGRAMME EXCHANGE

With this function, you can exchange the programme positions to a preferable order.

\$≧3::

588::

PROGEN LY.
CS BBC1
C41 BBC2
C41 BBC2

Exchange PR5 with PR10

- Press MENU to display the main menu.
- Select "Preset" with △+ or ▽- and press OK. The PRESET menu appears.
- The PROGRAMME EXCHANGE menu appears. (See Fig. 14.) Select "Programme Exchange" with △+ or ▽- and press OK.

Using \triangle + or ∇ -, select the programme position you want to The colour of the selected position changes. (See Fig. 15.) exchange with another and press OK.

3 C12 ARD 11

Fig. 15.

- exchanged and press OK. Now the two programme positions Using △+ or ▽-, select the programme position to be have been exchanged, (See Fig. 16.)
- Repeat steps 4 and 5 to exchange other programme positions.



Tuning in a Channel **Temporarily**

For higher programme positions

The display scrolls

automatically.

You can tune in to a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.

(i)

Press Con the Remote Commander. For cable channels, press

Press - to go back to the previous To go back to main

If you have made a

- The indication »C« (»S« for cable channels) appears on the screen.
- Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4).

 The channel appears.

 However, the channel will not be stored.

To go back to the normal TV picture Press MENU.

Keep pressing ←.



Skipping Programme Positions

skipped programmes may still be called up when you use the You can skip unused programme positions when selecting programmes with the PROGR +/- buttons. However, the number buttons.

- I Press MENU to display the main menu.
- 2 Select Preset with △+ or ▽ and press OK. The PRESET menu appears.
- 3 Select »Manual Programme Preset∗ with △+ or ▽− and press
 - The MANUAL PROGRAMME PRESET menu appears. (See
- 4 Using \triangle + or abla–, select the programme position which you want
 - 5 Press \triangle + or ∇ until *---- appears in the SYSTEM position. to skip and press OK. The "SYS" position changes colour.
- When you select programmes using the PROGR+/- buttons, the programme position will be skipped. 5 Press OK. (See Fig. 19.)
 - ? Repeat steps 4 to 6 to skip other programme positions.

Captioning a Station Name

MANUAL PROGRAMME PRESET

You can *name * a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1), Using this function, you can easily identify which channel or video source you are watching.

- 1 Press MENU to display the main menu.
- 2 Select *Preset* with △+ or ▽- and press OK. The PRESET menu appears.
- 3 Select Manual Programme Preset∗ with △+ or ▽− and press The MANUAL PROGRAMME PRESET menu appears. (See

f you have made

Press ← to go back to the previous position To go back to

. Using $\triangle+$ or $\nabla-$, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.

Fig. 20.)

Select other characters in the same way. If you want to leave an 5 Select a letter or number with Δ + or ∇ - and press OK. The next element will be highlighted. element blank, select - and press OK. (See Fig. 21.)

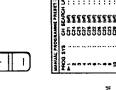
To go back to the normal TV picture Press MENU.

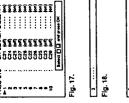
Keep pressing +

After selecting all the characters, press OK repeatedly until the cursor appears by the next programme position (at the left

Now the caption you chose is stored. (See Fig. 22.)

Repeat steps 5 and 6 to caption names for other channels.















C25 (oil) S ... (oil) Fig. 21.

Fig. 20.

Manual Fine-Tuning MANUAL PROGRAMME PRESET

Normally, the AFT (automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine tuning function to obtain better picture reception.

1-6. WATCHING THE TV

Press MENU to display the main menu.

Select »Preset* with △+ or ▽- and press OK.

The PRESET menu appears.

3 Select -Manual Programme Preset* with Δ + or ∇ – and press The MANUAL PROGRAMME PRESET menu appears. (See Fig. 23.) Manually fine tuned channels will be identified by ←F ← on the on screen indication (See page 15)

Using \triangle + or ∇ –, select the programme position corresponding to the channel which you want to manually fine-tune, and press OK repeatedly until the AFT position changes colour.

Fine-tune the channel with △+ or ▽- so that you get the best TV reception. As you press the cursor buttons, the frequency changes from - 15 to + 15. (See Fig. 24.)

The cursor appears beside the next programme position (at the left margin). (See Fig. 25.) Now the fine-tuned level is stored. After fine tuning, press OK.

tuning). Repeat from the beginning and select -ON- in step 5.

To reactivate AFT (automatic fine

75. 24.

Flg. 23.

Repeat steps 4 to 6 to fine-tune other channels.

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children

Parental Lock

PARENTAL LOCK

from watching programmes which you consider unsuitable.

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Depress © on the TV. Switching on

Switching off temporarily

Press $\mathcal O$ on the Remote Commander. The TV enters standby mode and the standby indicator on the front of the TV lights up.

To switch on again

Press C, PROGR +/-, or one of the number buttons on the Remote Commander.

Switching off completely Depress © on the TV.

Selecting TV Programmes

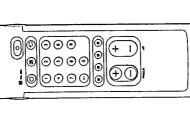
Press PROGR +/- or press the number buttons.

To select a double-digit number

For example, If you want to choose 23, press -/--, 2, and 3. Press -/--, then the numbers.

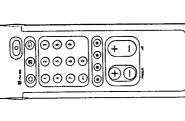
Adjusting the Volume

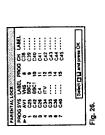
Press 4 +/-.



standby mode.

Press © or one of the number buttons to switch it indicator on the TV is in appears when you depress ⊙ on the TV and if the standby If no picture





4 Using △+ or ▽-, select the programme position you want to

block and press OK

The CH and LABEL change colour indicating that this programme is now blocked. (See Fig. 27.)

5 Repeat step 4 to block other programme positions.

Select "Parental Lock" with $\Delta +$ or $\nabla -$ and press OK. The PARENTAL LOCK menu appears. (See Fig. 26.)

Select "Preset" with △+ or ▽- and press OK.

The PRESET menu appears.

Press MENU to display the main menu.

PRODUCH LAREL PROD CH LAREL 0 ANI WAS 1 CA2 BBC: 2 CA2 BBC: 2 CA5 CA

a programme that has been blocked. The message -LOCKED-appears on the blank TV screen.

The selected PROG number, CH and LABEL change colour to normal colour indicating that the blocking has been cancelled.

On the PARENTAL LOCK menu, select the programme

Cancelling blocking

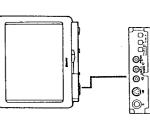
position you want to unblock with \triangle + or \heartsuit -.

1-7. ADJUSTING AND SETTING THE TV USING THE MENU

Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

- Press the P-d++ button repeatedly until the programme number, d (for volume), or +C (for video input picture)
- · Press -/+ buttons to switch on the TV from the standby mode. appears. Then adjust with the -/+ buttons.
- Press -/+ simultaneously to reset picture and sound controls to the factory preset level (RESET function).



Watching Teletext or Video Input

Natching teletext

- Press (2) to view the teletext.

teletext operation, refer to page 17.

For details of the

- Press one of the coloured buttons for fastext or TOP-Text Press three number buttons to select a page.
- Press € (PAGE +) or € (PAGE) for the next or preceeding
- · To go back to the normal TV picture, press O

Watching a video Input picture

Press - Trepeatedly until the desired video input appears. To go back to the normal TV picture, press O.

More Convenient Functions

Use the Full-Function side of the Remote Commander.

0

Displaying the on screen indications

- Press

 once to display all the indications. They will disappear
 - after some seconds.

 Press ⊕ twice to have the programme number and label stay on screen. Press twice again to make the indications disappear,

Muting the sound

00000 = • 00 00000 = 1 00000 = 1 00000 = 1 00000 = 0

To resume normal sound, press 🛠 again.

Displaying the time

Press @. This function is available only when teletext is

To make the time display disappear, press © again.

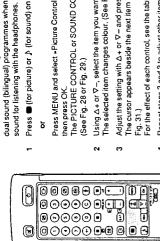
PICTURE CONTROL

Adjusting the Picture and Sound

Atthough the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. In addition, you can change the aspect ratio of the TV display for wide screen effect or set the resolution to obtain a higher quality picture. You can also select dual sound (bilingual) programmes when available or adjust the

CONTROL

GNNOS





Using $\Delta+$ or $\nabla-$, select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 30.) (See Fig. 28 or Fig. 29.)

> 8 m

Fig. 31.) For the effect of each control, see the table below. Repeat steps 2 and 3 to adjust other items.

The cursor appears beside the next item (at the left margin). (See

Adjust the setting with $\Delta + \text{ or } \nabla - \text{ and press OK}$.



Select (3 (2) and press OK

--- Brighter

Darker —

Brightness

Colour

97 H

Less —— More Less —— More

Effect of each control PICTURE CONTROL Resets picture to the factory preset levels.

Greenish — Heddish

Softer — Sharper

Sharpness

To go back to the main

Press 🖛 to go back to

I you have made a he previous position

high: Obtain a higher quality picture 16:9:Wide screen effect 4:3:Normal

Normal

Resolution

To go back to the normal TV picture

Press MENU.

Keep pressing .

Format

Reset

Effect

SOUND CONTROL

Treble

HUE is only available for NTSC colour systems.

on: When listening to low volume sound. Resets sound to the factory preset levels. More left — — More right Less —— More Less — More Less — — More off: Normal

on: Obtain acoustic sound effect. A: left channel off: Normal

The selected mode of the A-CD-B Indicator on the TV lights up B: right; channel Stereo mono (for NICAM broadcasts see next page)

Less — More

Headphones:

Dual Sound

Volume

video input picture You can select DUAL SOUND to change the sound.

When watching a

Dual Sound

rear correspond to the Headphone VOLUME and DUAL SOUND

Loudness Balance

Reset Bass

The audio level and the dual sound mode output

Note on LINE OUT

rom the O+ jack on the

A: left channel

B: right channel stereo mono

7

video input picture, refer to page 21. For details of the

1-8. TELETEXT

Selecting Nicam Broadcasts*

This Sory TV has been designed to select Nicam broadcasts when available. Whenever a Nicam broadcast is received *NICAM* appears briefly on the screen. When the Nicam programme ends, or you switch channels to one without Nicam, the A-D-B indicators, on the

Nicam programmes can be broadcast in two ways. You may select the sound you want to hear in either of these by first following the instructions explained on page 16.

Broadcast			the TV A-CD-B
Stareo	Press	Stereo Nicam	₩
	∆+ or ∇-	(Mono 2-Channel) mono	
Press ∆+ or ∇- aga	ain to return to st	Press △+ or ▽- again to return to stereo Nicam (mono 2-	
Shingsk	Press	Channel A Nicam	[] ∦
İ	D+01 0-	Channel B Nicam	
		шоло	

Depending on availability of service.

PROGRAMME TABLE

To go back to the normal TV picture Press MENU.

From the main menu, select st Programme Tablest with $\Delta +$ or ∇ programme position. You can also select programmes using this table.

The PROGRAMME TABLE menu appears. (See Fig. 32.)

and press OK

To scroll to higher programme numbers, press 🛆 -.

On this table, you can see which channel is preset to which

Using the Programme Table



Select the programme number with riangle + or $\, riangle -$ and press OK.

The selected programme appears.

Using the Sleep Timer

TIMER To switch off the timer Select -OFF- in step 3.

To select a programme using this menu

Fig. 32.

Select 🗖 🗓 and press OK Fig. 33.

From the main menu, select $\star \text{Timer} \star \text{with } \triangle + \text{ or } \nabla - \text{ and press}$ You can select a time period after which the TV automatically

switches into standby mode

The TIMER menu appears. (See Fig. 33.) The time period option changes colour. Select the time period with $\triangle +$ or $\nabla -$

remaining time Press (3). To check the

Press OK.

select page numbers Fastext, and directly teletext on and off, You can switch operate

only possible, if the TV station broadcasts Fastext operation is Fastext signals.

TV stations broadcast an information service called Teletext via information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the TV channels. Teletext service allows you to receive various the Full-Function side of the Remote Commander.

(E)

Direct Access Functions

Switching Teletext on and off

- Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press ® to switch on teletext.
 A teletext page will be displayed (usually the index page).
 If there is no teletext broadcast, P100 is displayed on the information line at the top of the screen.

To switch teletext off

Press ().

© 010 B B 0 0 B 0 0

Selecting a teletext page

With direct page selection

Use the number buttons to input the three digits of the chosen If you have made a mistake, type in any three digits. Then repage number.

If the page counter keeps searching, the page number might not be available. enter the correct page number.

With page-catching

- Select a teletext page with a page overview (e.g. index page).
- information line. The last digit of the first displayed page number Press @ twice. . Page catching. will be displayed on the flashes.

With the simple side of the Remote

Commander

broadcasting signals

Teletext errors may

occur if the агв weak. Using △+ or ▽−, select the desired page and press ○K. The requested page will appear in a few seconds.

Accessing next or preceding page

Press @ (PAGE+) or @ (PAGE-).

The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press (®) once in teletext mode or twice in TV mode.
- Press (again to resume normal teletext reception.
- Preventing a teletext page from being updated Press @ (HOLD). The HOLD symbol "®" is displayed on the
- Press 🖲 to resume normal teletext reception.

Using Fastext

When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the With Fastext you can access pages with one key stroke. Remote Commander.

Commander which corresponds to the colour-coded menu. The Press the corresponding coloured button on the Remote page will be displayed after a few seconds.

16

One minute before the TV switches into standby mode, a message

is displayed on the screen.

Atter selecting the time period, press OK. The cursor moves back to the left margin and the timer starts

 $10 \rightarrow 20 \rightarrow 30 \rightarrow 40 \rightarrow 50 \rightarrow 60 \rightarrow 70 \rightarrow 80 \rightarrow 90$ The time period (in minutes) changes as follows:

- OFF

Using the Teletext Menu

This TV is provided with a menu-guided teletaxt system. When teletaxt is switched in, you can use the menu buttons to operate the teletaxt menu. Select the teletaxt menu functions in the following way:

- Press MENU. The menu will be superimposed on the teletext display. (See Fig. 34.)
 - Using \triangle + or $\, \nabla$ -, select the teletext function you want and press OK. (See Fig. 35.)

USER PAGES/PRESET USER PAGES

See page 19 for information about presetting and operating the user pages.

FELETEXT MENU

The index will give you an overview of the contents of the teletext and the page numbers.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display. After having selected the function, an information line TOP/BOTTON/FULL will be displayed. (See Fig. 36.)

Select [] [] and press OK

Flg. 35.

Press \triangle + for \star Top \star to enlarge the uper half, ∇ – for \star Bottom \star to enlarge the lower one and OK for \star Fuli \star to resume the

Press (e) to resume normal teletext reception.

A Top V - Bottom OK Full []

Fig. 36.

()

TEXT CLEAR

normal size.

After having selected the function, you can watch a TV programme while waiting for a requested teletext page to be captured (The symbol change colour.) (See page Fig. 37)

Press (2) to view the captured page.

SUBTITLES

features may not be available

Some of the

depending on the Teletext service.

Your teletext service will inform you if a TV programme is subtitled. After having selected the function the subtitles will be displayed.

Flg. 37.

REVEAL

Sometimes Pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After having selected the function, an information into mation. After having selected the function, an information in a FEVEAL ON/OFF* will be displayed. (See Fig. 38.)

CD Reveion

Fig. 38.

Using \triangle + or ∇ -, select ON to reveal the information of OFF to

Press 🖲 to resume normal teletext reception.

page 888, please select the subtitle page using the number buttons.

If the subtitles are

Note on SUBTITLES

not broadcast on

This function is not available

If two broadcasting stations use the same Teletext You can preset one bank to 2 programme positions. different

Select [7] and press OK

Fig. 34.

Top Botton Full
Tar Clear
Substies
Favoral
Trans Page
Substies
Substies
Favorat
Present User Pages



User Page Bank System

of a sequence).

Using $\nabla+$ or $\nabla-$, select the SUBPAGE setting and press OK. To select the desired subpage, enter four digits using PAGE +/- or the number buttons (e.g. enter 0002 for the second page

You may want to select a particular teletext page from several

subpages which are rotated automatically. If you want to select one subpage, follow the operations below.

system.. In this way you have quick access to the pages you You can store up to 30 pages in the . Teletext page bank watch frequently.

Storing pages

There are 5 "banks" (A to E) for 5 feletext stations. In each bank you can store 6 preferred pages (P1 to P6).

- I Press (E) (if Teletext is not on already) and MENU to show the TELETEXT MENU display.
- 2 Select PRESET USER PAGES with △+ or ▽- and press OK.

3 Select the desired bank with △+ or ▽- and press OK. The

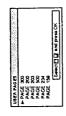
- cursor will go to the first position (P1) of the preferred pages. Input the three digits of your first preferred page with the
 - The cursor will go to the second position. number buttons and press OK.

5 Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press After having finished the presetting press OK repeatedly until the cursor appears besides the next bank at the left OK without inserting any number.

- 6 Select *Allocate Bank« with △+ or ▽- and press OK.
- 7 Select the programme position for which you have preset pages with \triangle + or ∇ - and press OK. (See Fig. 39.).
- 8 Select the desired bank with \triangle + or ∇ (Banks A to E are available) and press OK.
 - 9 Repeat steps 3 to 8 for the other 4 banks available.

Displaying User Pages.

- 1 Select MENU.
- A table of the stored preferred pages will be displayed. (See 2 Select USER PAGES with △+ or ∇- and press OK.
- 3 Select the desired page with \triangle + or ∇ and press OK. The page will be displayed after some seconds.



18

the TIME PAGE setting.

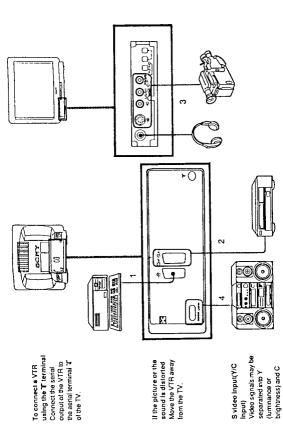
request Soloci "OFF" for

To cancel the

1-9. CONNECTING AND OPERATING OPTIONAL EQUIPMENT

Connecting Optional Equipment





Available output signal	Video/audio from TV tuner	Video/audio from selected source	No outputs	Audio signal (variable)	
Acceptable input signal	1 Normal audio/video and RGB signal	2 Normal audio/video and S video signal	3 Normal audio/video and S video signal	4 No inputs	

with one another, and therefore improves

picture quality (especially

signals. Separating the Y and C signals prevents them from interfering

(chrominance)

luminance).
This TV is equipped with 2 S Video input jacks through which these separated signals can be input

Selecting input and output

This section explains how to view the video input picture (of a video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting Input

Input modes

8 ф ф ф ф ф ф ф ф ф ф ф ф ф ф ф ф ф ф ф	Input signal Audiovideo input through the —🖰 1 connector RGB input through the —🖰 1 connector Audiovideo input through the 🕒 2/ —🕲 2 connector S video input through the 🕒 2/ —Є 2 connector Audiovideo input through — 3 and —Ө 3 on the front S video input through the —Є 3 connectors on the front
---	--

The ⊕ 27-® 2 connector outputs the source input from the Selecting the output

other connectors.

Φ

The symbol of the selected output source appears. Press 🕞 repeatedly to select the output.

Output modes

⊕ 2/ - © 2 connector outputs	The audio/video signal from the 👝 1 connector	The audio/video signal from the (→•2/ →⑥ connector	The audio/S video signal from the ⊕•2/ or © 2 connector	The audio∆video signal from the ← 3 and ←3 connectors	The audio/S video signal from the - 3 3 and - 3 connectors	The audio/video signal from the T aerial terminal	
Symbol	<u>-</u>	ф 2	200	φ̈́	3 9 8	φ	

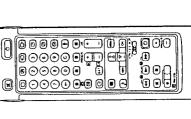
Selecting Input with PROGR +/- or number buttons You can preset

<u>-</u>

The symbol of the selected input source will appear. Press - repeatedly to select the input source.

To go back to the normal TV picture

Input sign Audio/vide RGB input	Sympol G G	details, see "Preset channels manually" on page 8.
Input sign	Symbol	details, see *Preset channels manually*
		number buttons. For
	Input modes	PROGR +/- or
		can select them with
	Press O.	positions so that you
	in a war of o	to the programme
normal TV of	To do hack to the normal TV of	video input sources



directly.

1-10. FOR YOUR INFORMATION

Troubleshooting

Here are some simple solutions to some problems which may affect the picture and sound.

Problem	Solution
No picture (screen is dark), no sound	 Plug in the TV in. Press © on the TV. (If © indicator is on, press \(\to \) or a programme number on the Remote Commender). Check The aciel connection. Check if the selected video source is on. Turn the TV off for 3 or 4 seconds and then furn it on again using \(\tilde{\text{O}} \).
Poor or no picture (screen is dark), but good sound	 Press
Good picture but no sound	• Press Δ +. • Check loudspeakers connection. • If α is displayed on the screen, press α .
No colour for colour programmes	25.13 • Press To enter the PICTURE CONTROL menu, select Resel-, then press OK.
Remote Commander does not function	25.15 · Replace batteries.

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

selected for the TV screen, and which output source is selected.

> ₹88 \$ 8 8 8

- 1 Select *Video Connection* with △+ or ▽- and press OK. The the output. If you want to select the input and output on this menu, go on to the next step.
 - source items changes colour. (See Fig. 42.)

Tv 1PLUS AV1 VHS1

Flg. 42.

- The selected source is confirmed, and the cursor appears. (See
- Repeat steps 2 to 4 to select the source for other inputs or

Select [] and press DX 1 PLUS VHS 1 COMPU VHS 2 CAM 2 BETA VHS 3 Fig. 44. 7\$2\$2\$2 2\$2\$2\$2

Outout 1PLUS

Remote Control of Other Sony Equipment

Sony remote-controlled video equipment such as: Beta, 8 mm or VHS VTRs or video disc players. You can use the TV Remote Commander to control most of

Tuning the Remote Commander to the equipment

- Set the VTR 1/2/3 MDP selector according to the equipment you want to control:
 - VTR 1: Beta or ED Beta VTR VTR 2: 8 mm VTR VTR 3: VHS VTR
- 2 Use the buttons indicated in the fliustration to operate the MDP: Video disc player

additional equipment.
If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander.

corresponding button on the Remote Commander will not If the equipment does not have a certain function, the

Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are You can also select them on the menu display.

Output 1 Pt.U.

Select [][] and press OX

Flg. 41.

- VIDEO CONNECTION menu appears. (See Fig. 41.) You can see which source is selected for the TV input and for
 - 2 Select TV screen (input source for the TV screen), or Output (output source) with $\Delta+$ or $\nabla-$ and press OK. One of the
- 3 Select the desired source with \triangle + or ∇ –. (See Fig. 43.) For details about each source, see the table on page 21.

AV2 VHS2 YC2 CAM2 AV3 BETA

Flg. 43.

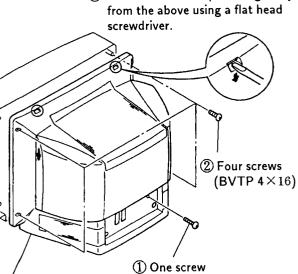
- 4 Press OK.

when you use the •
((ECOTO) DUTON, make sure to press this button and the one to the right of it simultaneously. When recording

SECTION 2 DISASSEMBLY

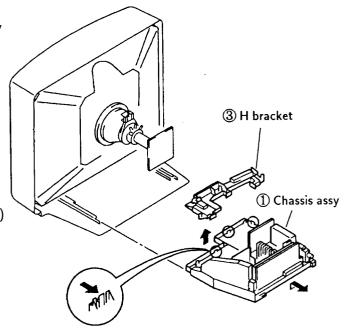
2-1. REAR COVER REMOVAL

3 Remove two claws push diagonally from the above using a flat head screwdriver.



(BVTP 4×16)

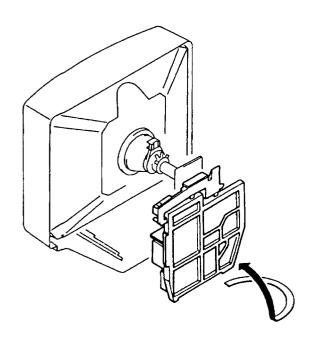
2-2. CHASSIS ASSY REMOVAL



2 Push the three claws of the main chassis in the direction of the arrow and remove the H bracket upwards.

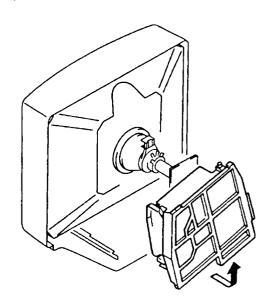
2-3. SERVICE POSITION (1)

4 Rear cover

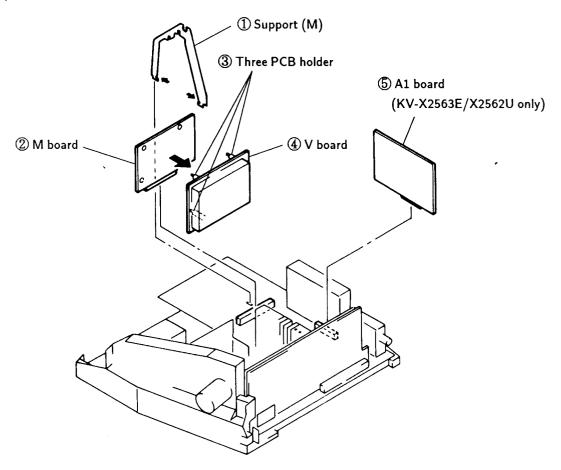


SERVICE POSITION (2)

* Remove the H bracket from the chassis assy and then perform the following servicing. (Refer to 2-2. CHASSIS ASSY REMOVAL)

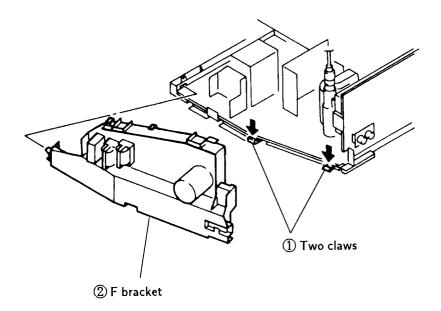


2-4. M, V AND A1 BOARDS REMOVAL

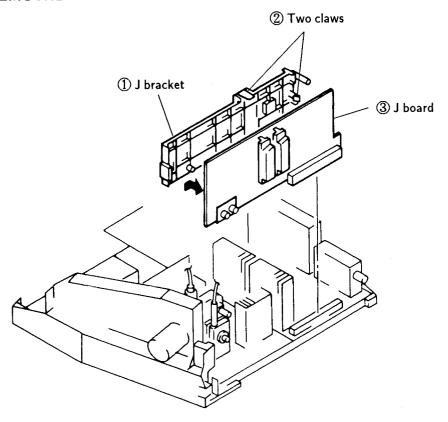


2-5. EXTENSION BOARD AE 2 M extension board 4-038-319-01 M board (KV-X2563E/X2562U only)

2-6. F BRACKET REMOVAL

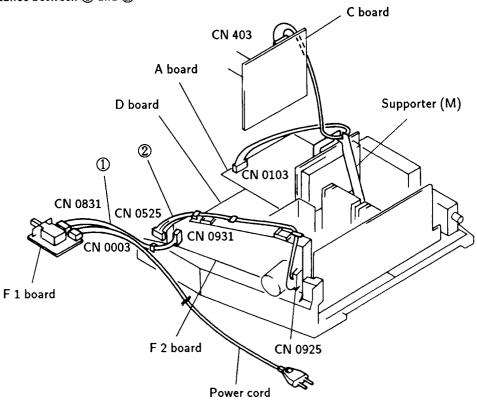


2-7. J BOARD REMOVAL

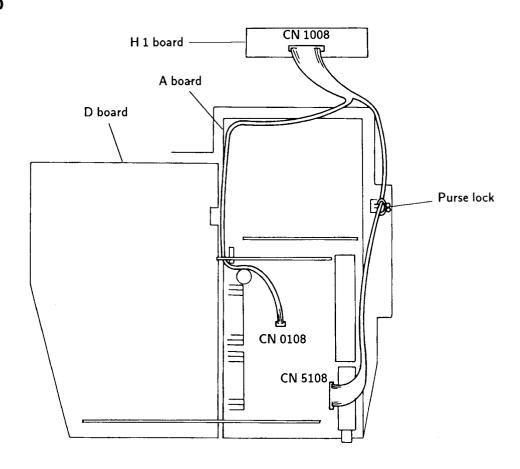


2-8-1. WIRE ROD

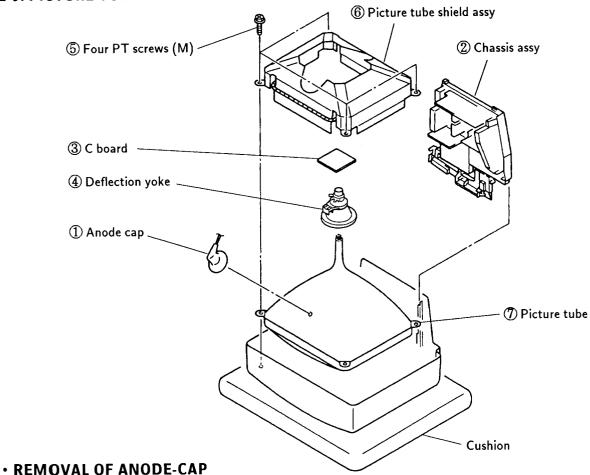
※ Keep distance between ① and ②



2-8-2. WIRE ROD

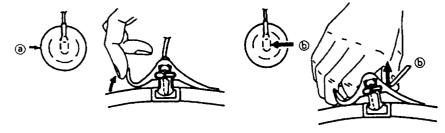


2-9. PICTURE TUBE REMOVAL



NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chield or carbon painted on the CRT, after removing the anode.

REMOVING PROCEDURES

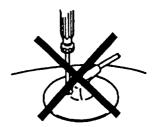


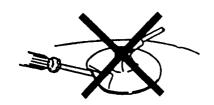
- ① Turn up one side of the rubber cap in the direction indicated by the arrow ②.
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.
- Anode button
- When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- Don't press the rubber hardly not to hurt inside of anode-caps!
 A material fitting called as shatter-hook
- terminal is built in the rubber.

 Don't turn the foot of rubber over hardly!
- 3 Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3

SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way:
 - Ocontrast 80% (or remote control normal)

⇒ Brightness 50%

- Carry out the following adjustments in this order:
- 1. Beam landing
- 2. Convergence
- 3. Focus
- 4. White balance

Note: Testing equipment required.

- 1. Color bar/pattern generator
- 2. Degausser
- 3. DC power supply
- 4. Digital multimeter
- 5. Oscilloscope

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

- Input the white signal with the pattern generator.
 Contrast
 Brightness normal
- 2. Position neck assy as shown in Fig.3-2.
- 3. Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig.3-1 3-3)
- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig.3-1)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig.3-4)

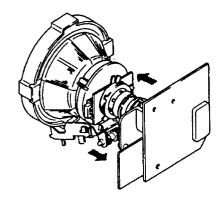
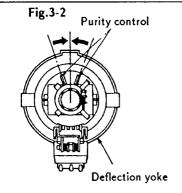
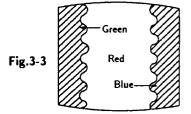
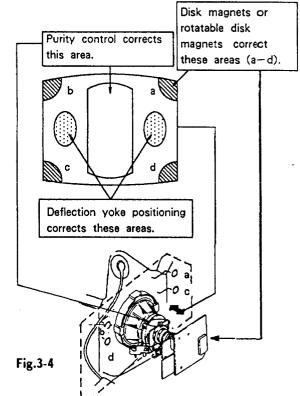


Fig.3-1





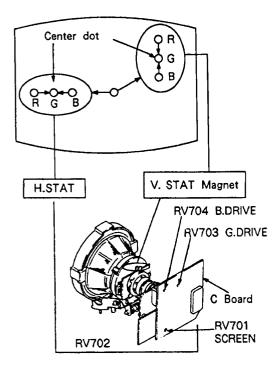


3-2. CONVERGENCE

Preparations:

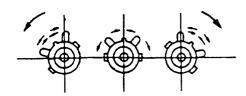
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and vertical static convergence

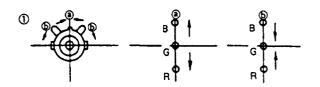


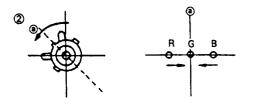
- 1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

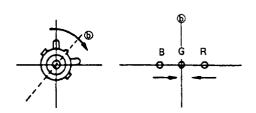
● Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

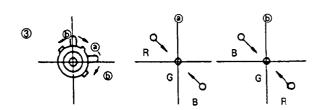


4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.

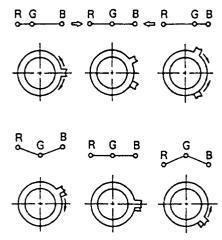








• Operation of BMC (Hexapole) Magnet

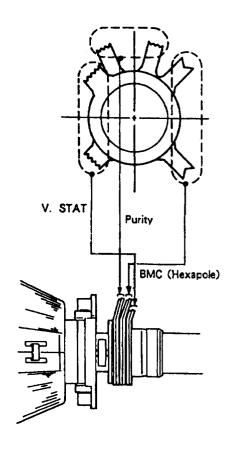


• The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

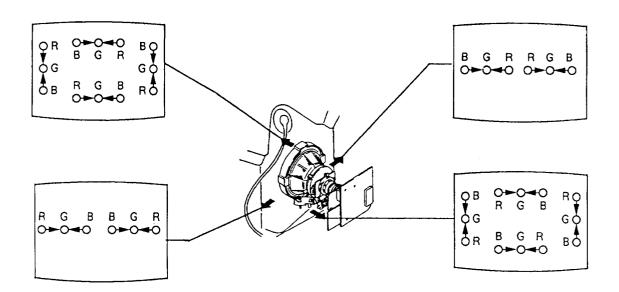
Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

(2) Dynamic convergence adjustment Preparations:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- 1. Slightly loosen the deflection yoke screws.

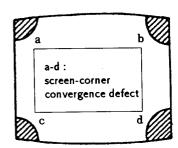


- 2. Remove the deflection yoke spacer.
- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the deflection yoke spacer.

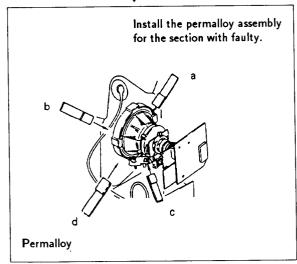


(4) Screen corner convergence

If you cannot adjust corner convergence properly, correct them with permalloy.

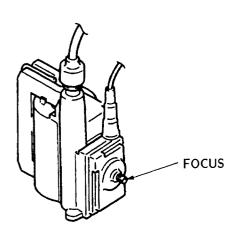






3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

Screen G2 Setting

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
- 4. While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

- 1. Receive all-white signal.
- 2. Enter into service mode. (Refer to the section 4 "Electrical Adjustment" to how to enter service mode.)
- 3. Select CXA 1587 on menu.

09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.

- 4. Set picture to MAX.
- 5. Adjust G-DRIVE B-DRIVE with ♣, ☑ buttons so that the white balance becomes optimum.
- 6. Press OK button to write the data for each item.
- 7. Set picture to MIN.
- 8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R
 -MANUAL CUT OFF, G-MANUAL CUT OFF and
 B-MANUAL CUT OFF with ♠ buttons so
 that the white balance becomes optimum.
- 9. Press OK button to write the data for each item.

SECTION 4

CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander RM-830.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing any two buttons on the front panel.

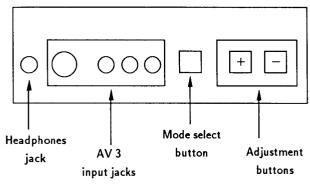
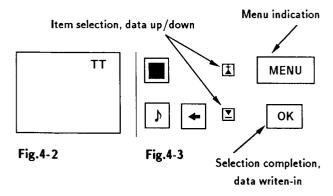


Fig.4-1

2. "TT" will appear on the upper right corner of the screen.

Command operation in service mode



3. Press the MENU button of the commander to get the menu on screen.

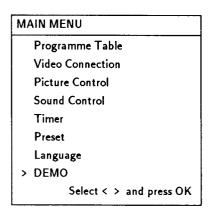


Fig.4-4

- 4. Press the **1** and **2** buttons of the commander and move > to DEMO.
- 5. Press OK button to proceed to the next menu.
- 6. The menu of fig.4-5 will appear on screen. Select DEVICE corresponding to the adjustment item from the table on next page.

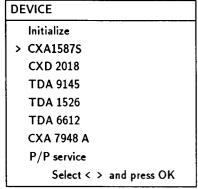


Fig.4-5

7. If adjustment item is CXA1587S, press the

button and move > to CXA1587S.

CXA 1587 S

IA NI -	A 41	Data Amout
		Data Amout
01	PICTURE	3
02	COLOR	1
03	BRIGHT	1
04	HUE	1
05	SHARPNESS	7
06	RGB PICTURE	3
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
	02 03 04 05 06 07 08 09 10 11 12 13	01 PICTURE 02 COLOR 03 BRIGHT 04 HUE 05 SHARPNESS 06 RGB PICTURE 07 SUB CONTRAST 08 SUB COLOR 09 SUB BRIGHT 10 SUB HUE 11 VM LEVEL 12 NR LEVEL 13 ABL MODE 14 G-DRIVE

- 8. Press OK button to get the next selection menu.
- 9. Press ∑ button and move > to the adjustment item and press OK button.
- 10. Press the **★** and **▼** buttons to change the data in order to comply each standard.
- 11. Press OK button to write data.
- 12. Turn off the power to quit service mode when completing the adjustment.

CXA 1587 S

CAA 130	,, ,	
01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.
21	GAMMA LEVEL	0
22	DC TRANSFER RATIO	3
23	DINAMIC PICTURE	0
24	Y FILTER ADJ	ADJ.
25	Y DELAY TIME	15
26	Y DELAY SWITCH 1	0
27	Y DELAY SWITCH 2	1
28	SHARPNESS LIMIT	ON
29	ALL BLK	OFF
30	H SHIFT	32
31	DAC TEST	ON
32	PRE/OVER SHOOT	7
33	SHARPNESS FO	2
34	SUB SHARPNESS	3
35	R MUTE	OFF
36	G MUTE	OFF
37	B MUTE	OFF

38	AGING 1	OFF
39	AGING 2	OFF
40	AKB OFF	ON
41	INHIBIT RGB	OFF
42	FORCED RGB	OFF
43	V/2 V	OFF
44	AXIS	PAL
45	HUE SW	OFF
46	V EXTENTION	OFF
47	AFC 1	1
48	AFC 2	0
49	AFC OFF	ON
50	REF.POSITION	0

CXD 2018 Q

V SIZE	ADJ.
V SHIFT	ADJ.
S CORRECTION	ADJ.
V LINEARITY	ADJ.
H SIZE	ADJ.
PIN AMP	ADJ.
TILT	ADJ.
UPPER CORNER	ADJ.
LOWER CORNER	ADJ.
V BOW	ADJ.
ANGLE	ADJ.
HV COMP.V	13
HV COMP.H	8
FRAME SHIFT	OFF
FREE RUN 60 Hz	OFF
SYSTEM 60 Hz	OFF
ASPECT WIDE	OFF
DOUBLE SCAM	OFF
INTERLACE	ON
H SHIFT	32
N/S CORRECTION	ADJ.
	V SHIFT S CORRECTION V LINEARITY H SIZE PIN AMP TILT UPPER CORNER LOWER CORNER V BOW ANGLE HV COMP.V HV COMP.H FRAME SHIFT FREE RUN 60 Hz SYSTEM 60 Hz ASPECT WIDE DOUBLE SCAM INTERLACE H SHIFT

 $\label{thm:continuous} \textbf{Typical Value (OSD based)} \textbf{when receiving PAL Philips pattern}.$

TDA 6612	ADJ.
Stereo-Separation	(30)

Should be adjusted twice 4:3 and 16:9 mode.

Y FILTER ADJUSTMENT

- 1. Input PAL RED pattern.
- 2. Connect an oscilloscope to CN 0403 ① pin (R OUT) on the C board.
- 3. Enter into service mode and press 3, 8.
- 4. Adjust data by \triangle or ∇ to minimize the chroma element of CN 0403 1 pin.

SUB BRIGHTNESS ADJUSTMENT

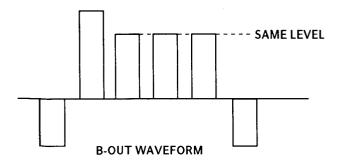
- 1. Input Phillips pattern.
- 2. Enter into service mode and press 23.
- Adjust data so that 0-IRE of the grey scale and CUT
 -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

- 1. Input a video that contains small 100% area on the Black Back ground.
- 2. Enter into service mode and press 01 to have PIC max followed by 21.
- 3. Adjust data so that 2.5 Vp-p can be obtained at ① CN 0403 (R out).

SUB COLOR ADJUSTMENT

- 1. Input PAL color bar.
- 2. Connect an oscilloscope to CN 0403 ③ pin (B OUT) on the C board.
- 3. Enter into service mode and press 22 of CXA1587S, 8 SUB COLOR.
- 4. Adjust data so that the right sides of the waveform will be the same.



STEREO-SEPARATION ADJUSTMENT

- 1. Input 1 kHz stereo signal to the L-ch and 400 Hz stereo signal to the R-ch.
- 2. Enter into service mode and press 19.
- 3. Adjust data so that sound does not leak to the R-ch and the L-ch.

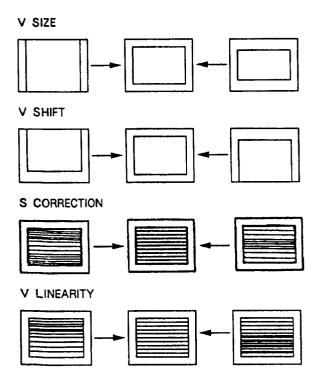
DRIVE AND CUT OFF

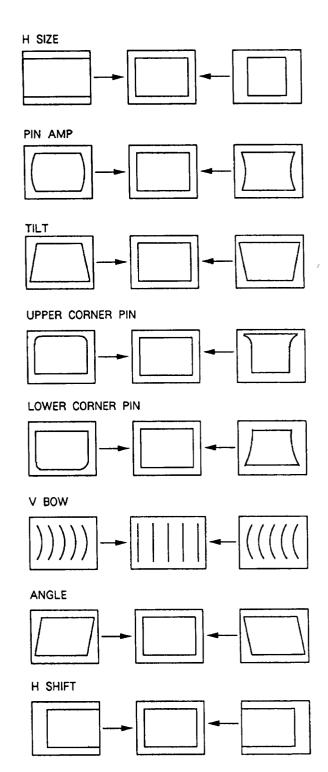
See direct test mode list attached and refer to sub brightness or such for adjustment method.

DEFLECTION SYSTEM ADJUSTMENT

- 1. Enter into service mode and select CXD 2018.
- 2. Select and adjust each item in order to get an optimum image.

01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAM	OFF
19	NON INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.





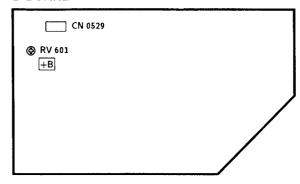
3. Press \overline{OK} button to write the data.

If menu display may disturb the adjustment press of to clear, to resume it, press of again.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

+B (+135 V) ADJUSTMENT (RV 601)

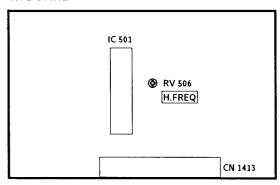
D BOARD



- 1. Turn on the power of the TV set.
- 2. Connect a digital multi-meter to ① pin of CN 0529 on D board.
- 3. Adjust RV 601 on D board to +135 V.

H.FREQ ADJUSTMENT (RV 506)

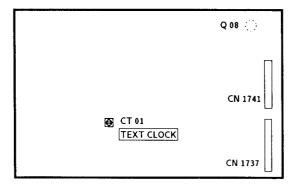
M BOARD



- 1. Connect GND to 12 pin of IC 501 on M board.
- 2. Connect a frequency counter to ① pin of IC 501.
- 3. Adjust RV 506 on M board to 15,625+100 Hz.
- 4. Remove ② pin of IC 501 from GND.

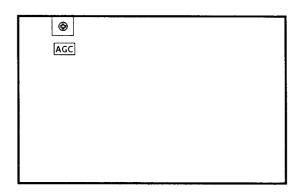
TEXT CLOCK ADJUSTMENT (CT 01)

V BOARD



- 1. Get TEXT MENU on screen.
- 2. Connect GND and the base of Q 08 on V board.
- 3. Adjust CT 01 on V board so that the MENU stands still as much as possible.

AGC ADJUSTMENT (IF BLOCK)



- 1. Receive off-air signal.
- 2. Adjust AGC VR so that there is no snow noise and cross-modulation.
- 3. Change receiving channel and confirm status.

4-3. TEST MODE 2:

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbers. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Aging Condition (Volumin., Picture max., Brightness
	max., Aging 2 Mode of CXA 1587S, TDA 2595 is
	locked to CXA 1587S via PIN 34 of μ -Con.)
08	Shipping Condition (Analog Values are RESET due
	to factory setting, Prog 1 is selected, TT Mode is
	switched off)
09	dummy
10	Tenth entry is deleted
11	Balance
12	Hue
13-14	dummy
15	Read factory setting from NVM
	Reads Volume, Balance, Treble, Bass, Brightness,
	Contrast, Hue, Sharpness, Colour values from ROM
	to the actual used values (Last Power Memory)
16	Save actual used values as RESET values
	Memorize actual used values Balance, Treble, Bass,
	Hue, Sharpness at RESET position in NVM
17	Preset Lavel for AV Sources
18	dummy
19	Stereo Seperation
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24-29	dummy

30	Tenth entry is deleted
31	Green Drive
32	Blue Drive
33	Green Cut Off (Auto Cut Off)
34	Blue Cut Off (Auto Cut Off)
35	Red Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
36	Green Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
37	Blue Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
38	Y-Filter adjustment (Trap is switched off and TDA
	9145 is switched in forced NTSC Mode)
39	dummy
40	Tenth entry is deleted
41	Default setting of CXA 1587S
	(Only in Plog 99 available)
42	Default setting of CXA 2018
	(Only in Plog 99 available)
43	Default setting of CXA 1526
	(Only in Plog 99 available)
44	(all Port High) Not yet
45	(all Port High) Not yet
46-48	dummy
49	Erease the NVM Testbyte (this byte detects already
	stored NMV's) After selecting this function, switch
	TV Off and On $ ightarrow$ the NVM will be preset by μ -
	Controller. (Not the channel data)

Note: For No. 35, 36, 37 and 38 special pressing (AKB, forced Color Mode, Trap) is selected.

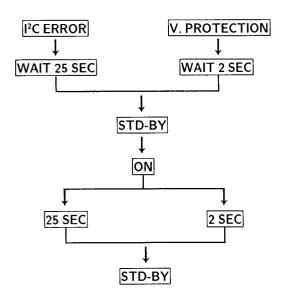
After selecting a new Test Mode Number, the AKB is switched ON, the Trap is switched On and TDA 9145 is switched to Auto Search Mode.

In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-4. ERROR MESSAGE

Self diagnos system can operates as follows.

• When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.



In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2).

TABLE OF ERRORS

ERROR COUNT	IC TYPE	FUNCTION
1	I C BUS	SDA low
2	X 24 C 16	EEPROM
3	SDA 3202	Tuner PII
4	TDA 9145	Colour decoder
5	CXA 1587S	RGB/Jungle
6	TDA 6612	Sound processor
7	CXD 2018	V deflection
8	CXA 1545	AV switch
11	SDA 5248	Text
13		V protection

Stand by LED

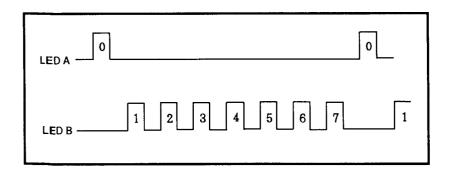
No IK return

blinking

4-5. ERROR II C BUS DIAGNOSIS SYSTEM IN AE 2 CHASSIS AVAILABLE

For all ICs in AE 2 chassis which are necessary to get picture and sound there is a built in error I²C Bus diagnosis system.

In case of no acknowledge bit, LED A and LED B starts blinking as shown.

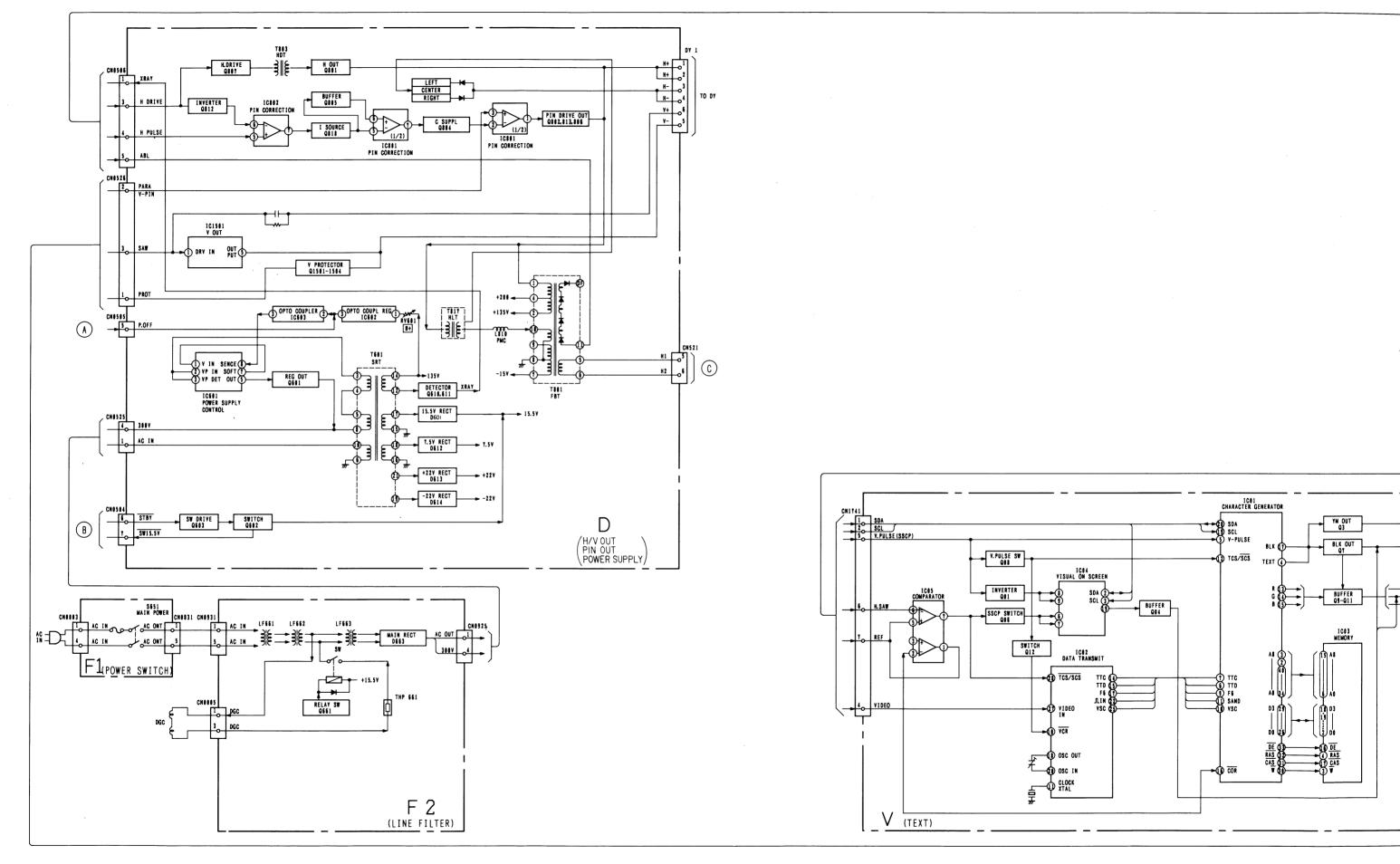


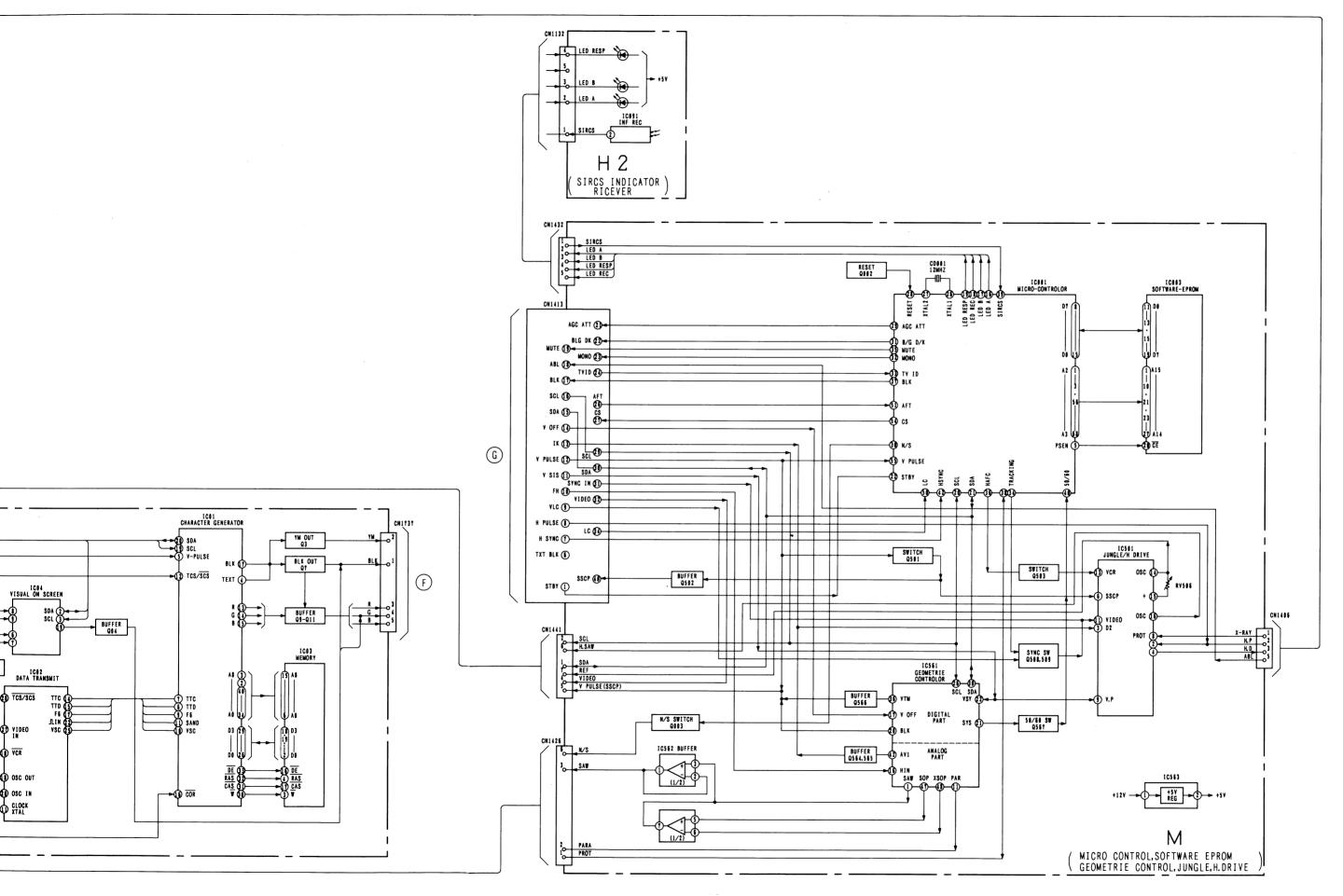
MEMO	
	••••
	••
	••••
	••••
	••

KV-X256

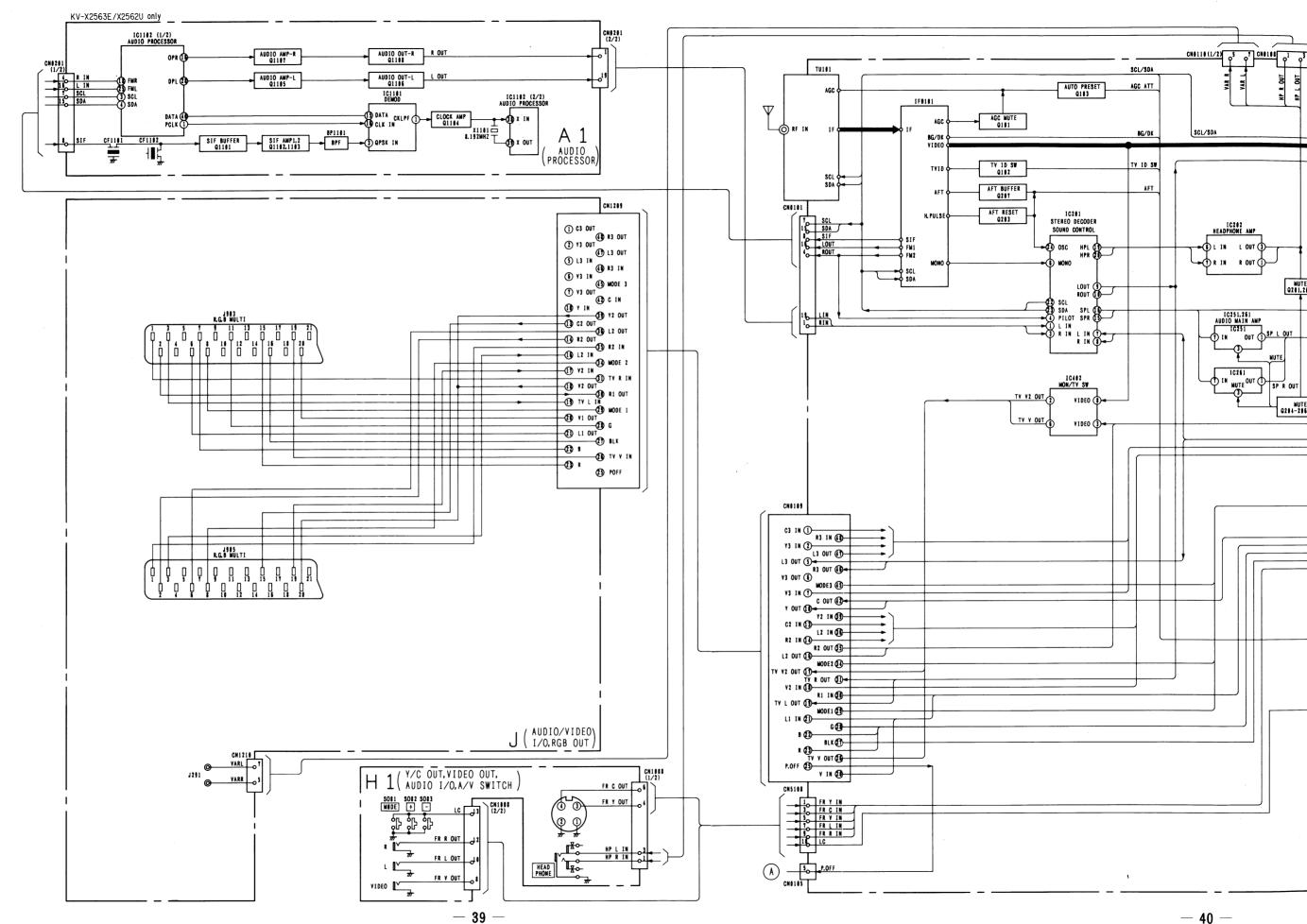
SECTION 5
DIAGRAMS

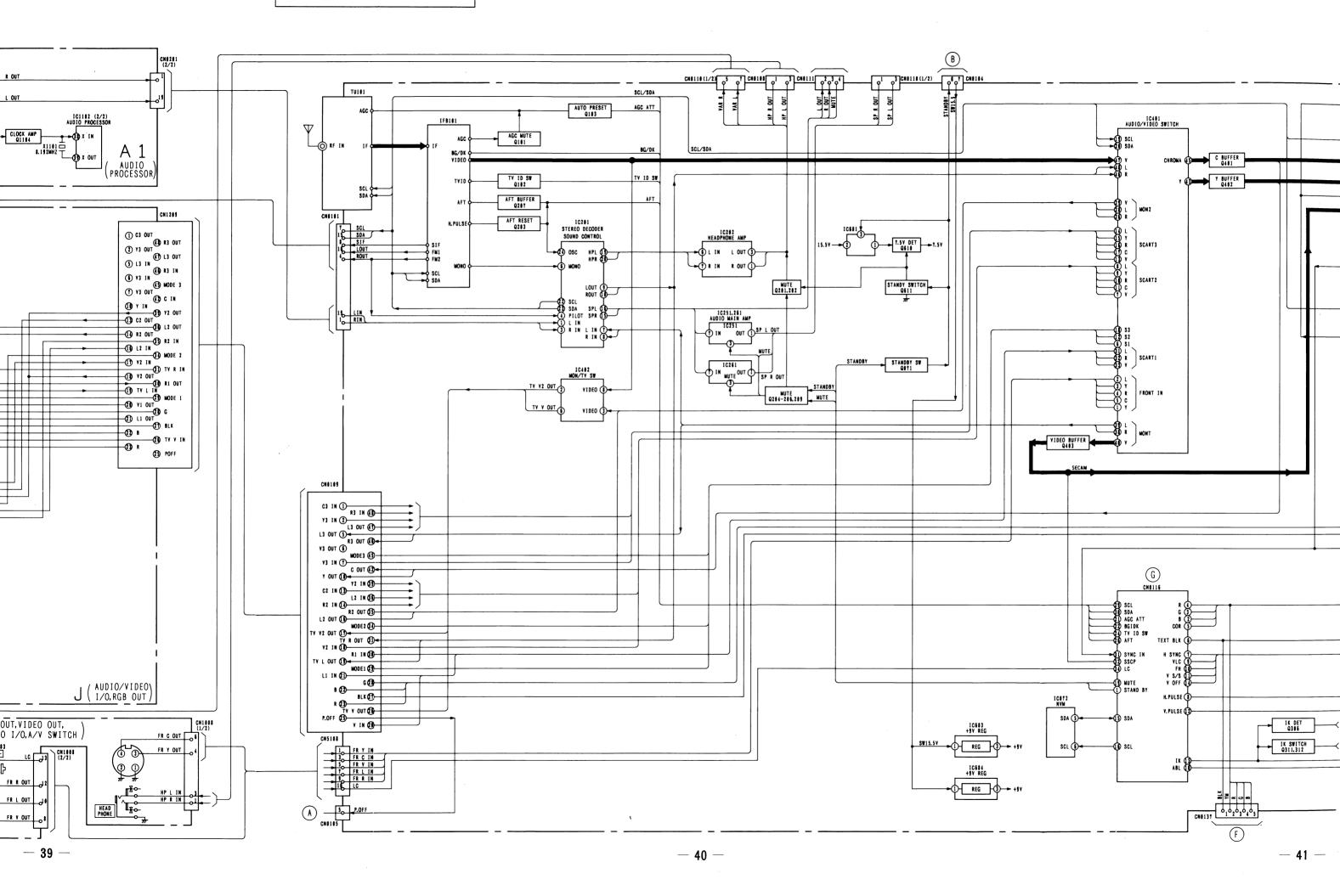
5-1. BLOCK DIAGRAM (1)

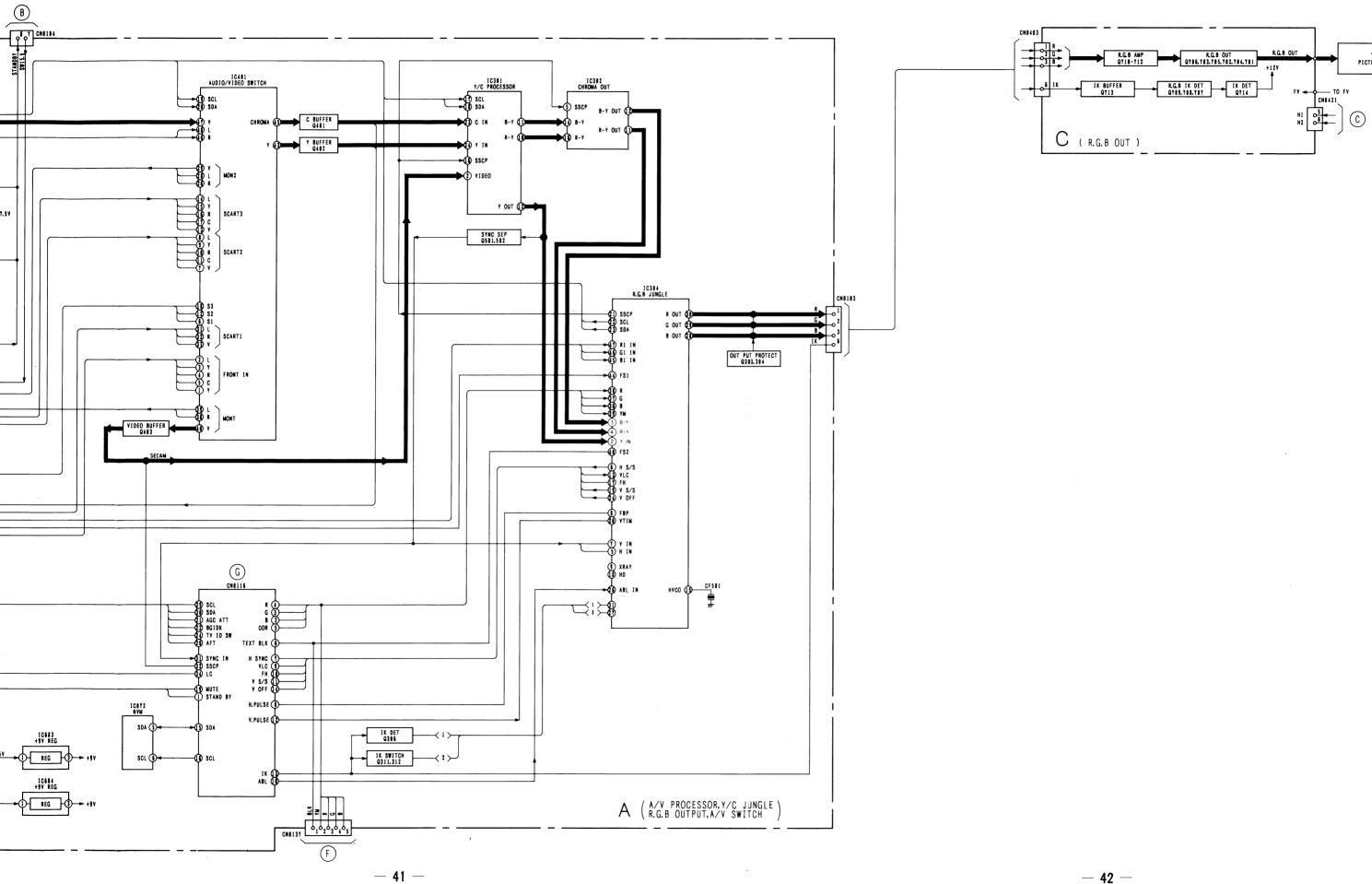




5-2. BLOCK DIAGRAM (2)

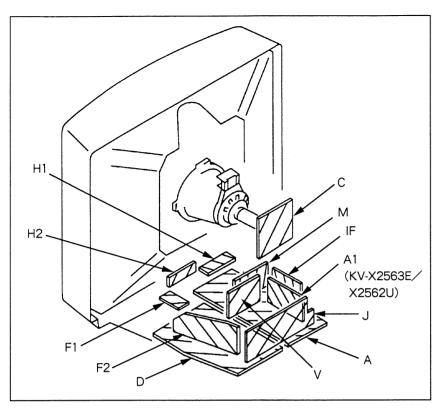






V901 Picture tube

5-3. CIRCUIT BOARDS LOCATION



5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in µ F unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytic.
- · Indication of resistance, which dose not have one for rating electrical power, is as follows.

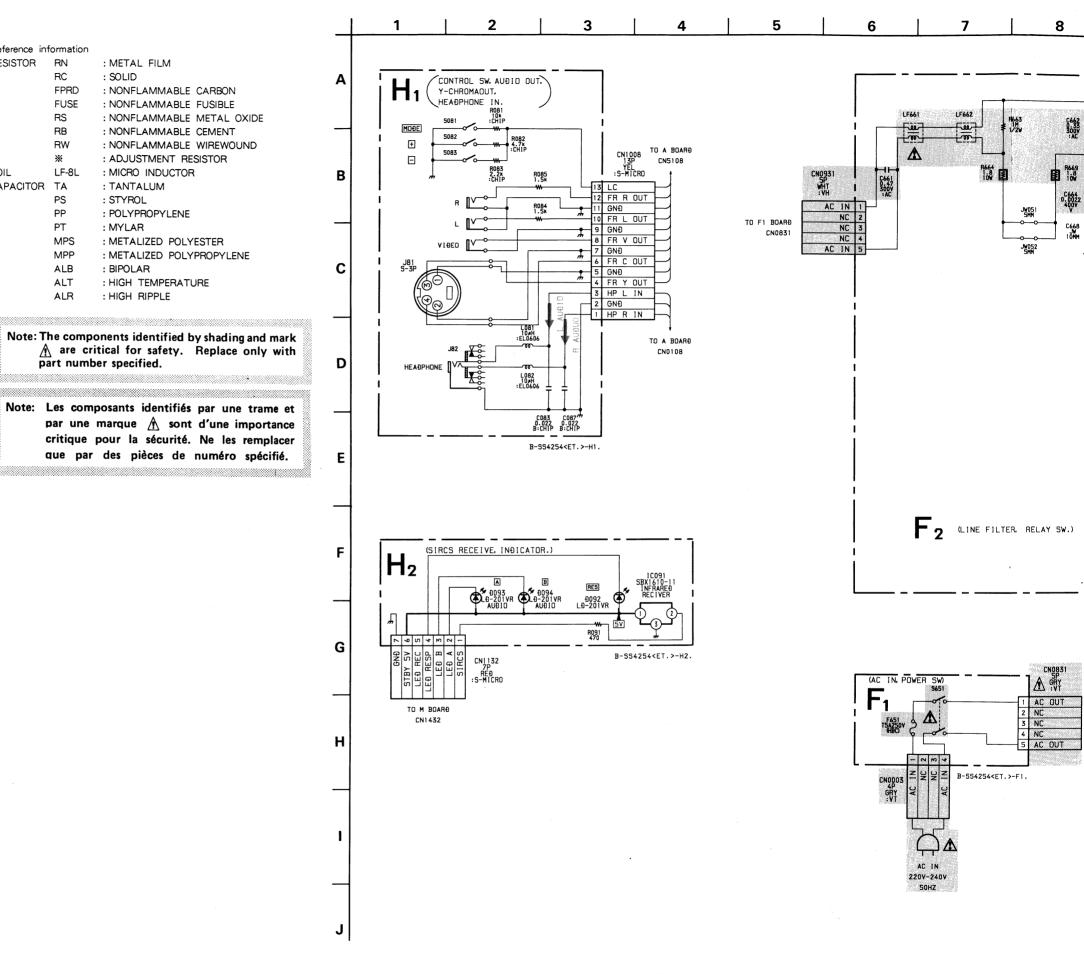
Pitch: 5mm Rating electrical power: 1/4W

- Chip resistor is in 1/10W.
- · All resistors are in ohms. $k \Omega = 1000 \Omega$, $M \Omega = 1000 K Ω$
- Two : nonflammable resistor.
- tusible resistor.
- Δ : internal component.
- [] : panel designation or adjustment for repair.
- · All variable and adjustable resistors have charactristic curve B, unless otherwise noted.
- · All voltages are in V.
- Readings are taken with a $10M\,\Omega$ digital multimeter.
- · Readings are taken with a color-bar signal input.
- · Voltage variations may be noted due to normal production tolerances.

- : signal path.(RF)
- ___ : earth ground
- · : earth chassis

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	*	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

part number specified.



Α

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С

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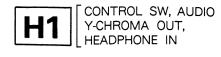
F

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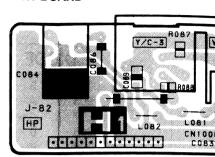
Н

KV-X256

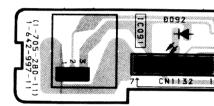
KV-X256



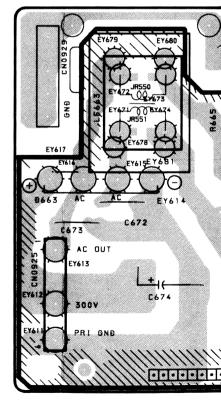
- H1 BOARD -



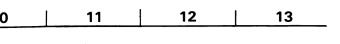
- H2 BOARD -

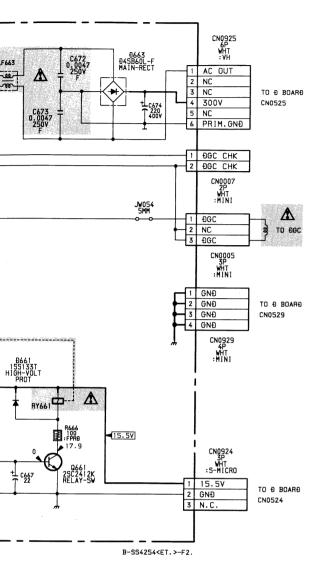


- F2 BOARD -

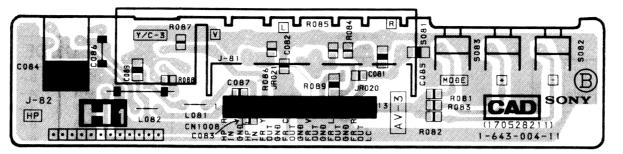




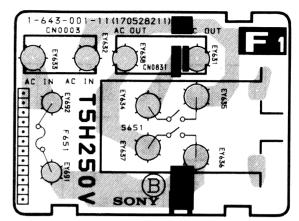




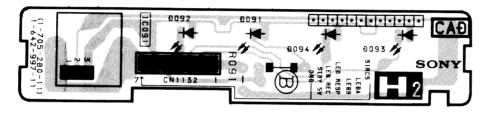




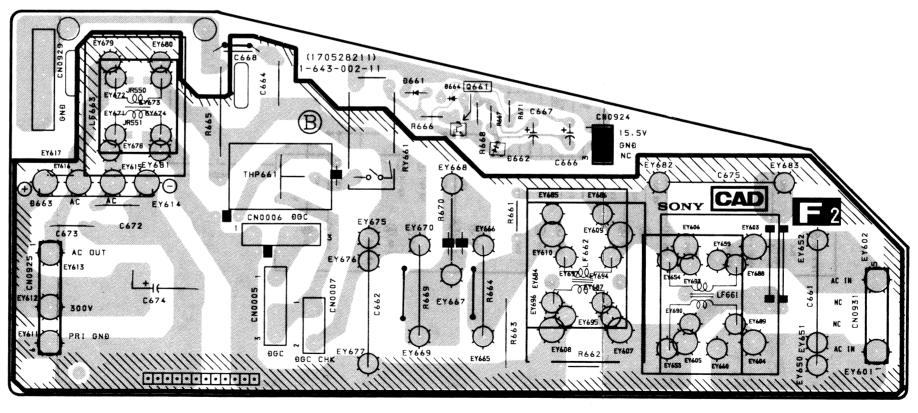


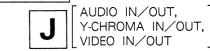


- H2 BOARD -



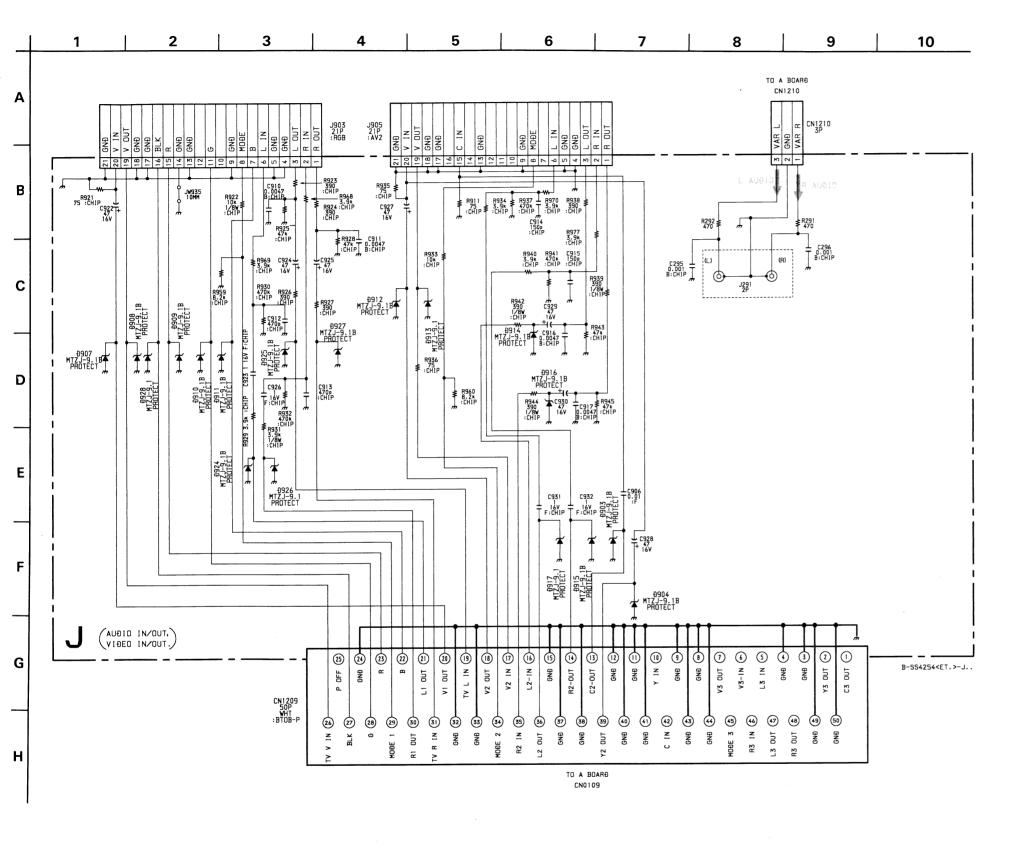
- F2 BOARD -





- J BOARD -

TUNER, AUDIO, CONTROL, AI
AV SWITCH, RGB JUNGLE,
Y/C PROCESSOR



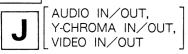
DIC	DDE
D903	B - 4
D904	A – 5
D907	A - 6
D908	B - 7
D909	B - 7
D910	B - 7
D911	B - 7
D912	A – 5
D913	A – 6
D914	B - 6
D915	C - 5
D916	C - 6
D917	B - 5
D924	B - 6
D925	C - 7
D926	C - 7
D927	C - 7
D928	D - 4

– J BOARD)				
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100-24		Y C	Tecerce		
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			1 1 E F	修筑区	4
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十里修	9)	•			
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Note:

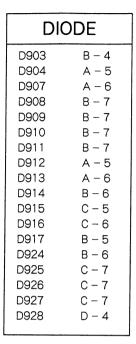
· Pattern from the side which enables seeing.

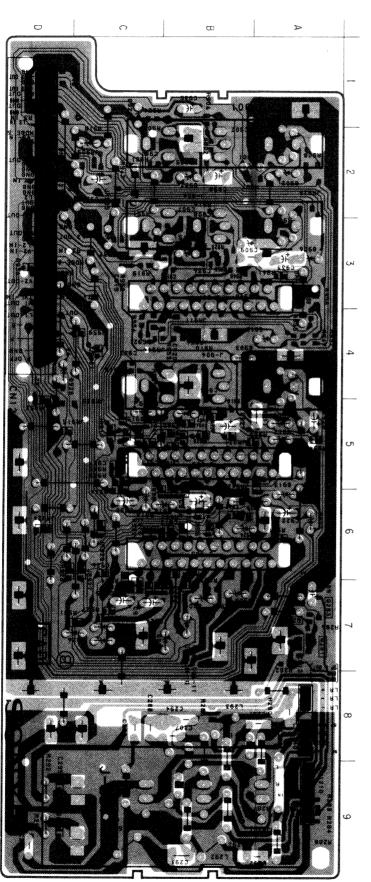
Pattern of the rear side.



TUNER, AUDIO, CONTROL, AUDIO AMP AV SWITCH, RGB JUNGLE, Y/C PROCESSOR

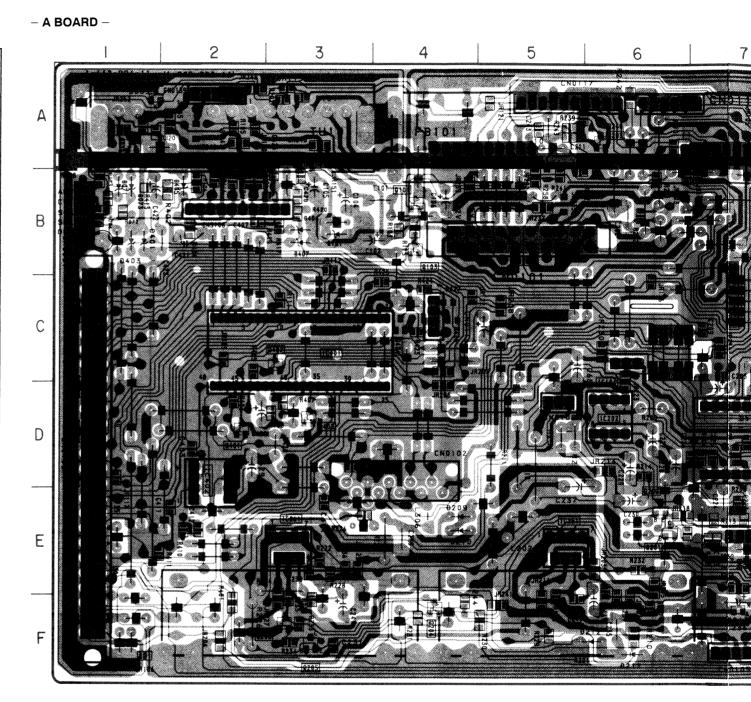
- J BOARD -



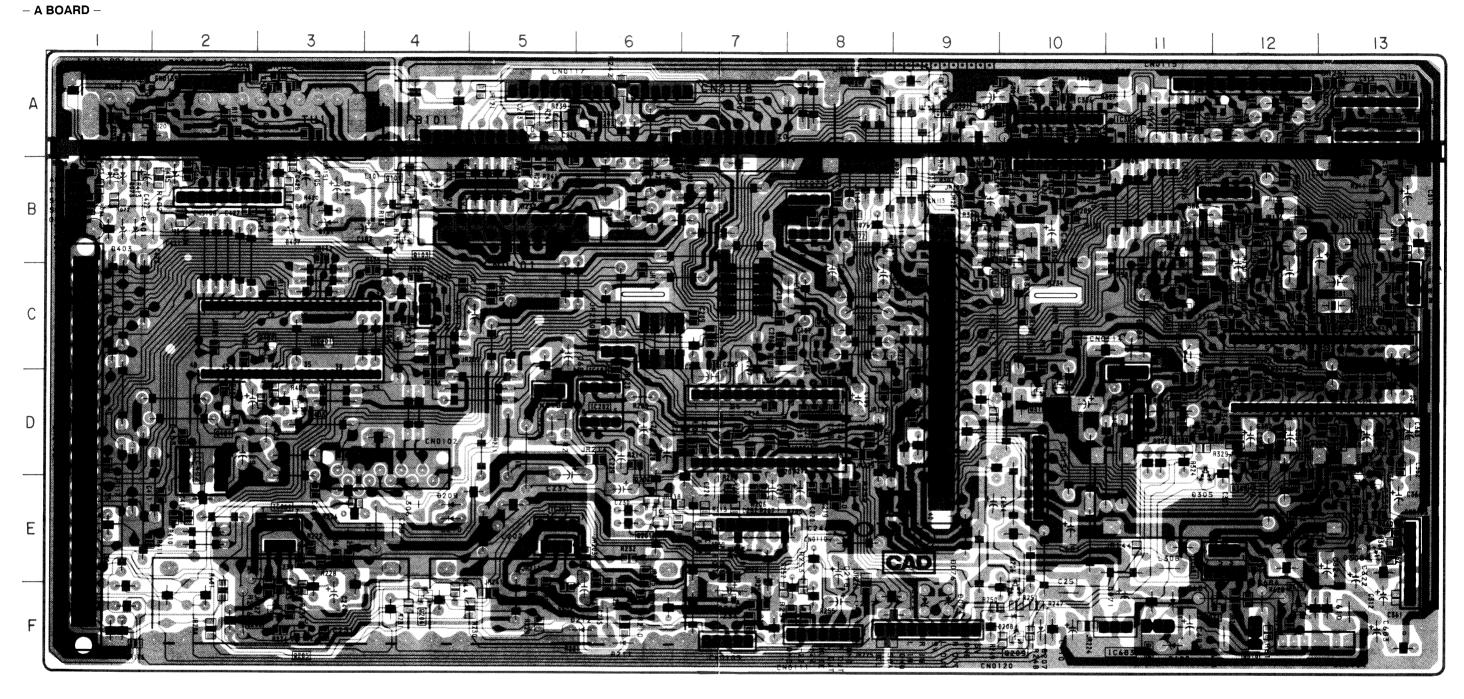


<u> </u>	
IC072 B-8 201 D-7 202 D-6 251 E-5 261 E-3 301 A-10 302 A-13 304 C-13 401 C-3 402 D-2 681 E-12 683 F-11 684 C-6	073 B-1 075 A-1 077 B-10 078 B-9 079 B-9 101 B-3 205 A-9 206 F-10 207 F-10 208 F-10 209 E-4 210 E-4 211 F-6 212 F-6 213 F-7 301 B-11 302 A-12
TRANSISTOR Q071 F-12 101 B-4 102 A-9 103 B-4 201 E-6 202 E-6 203 A-6 204 F-4 205 F-3 206 F-3 207 B-8 209 F-10 303 A-9 304 E-13 306 E-12 308 D-12 309 D-11 311 D-10 312 D-10 401 D-2 402 C-3 403 D-3	
581 C-11 582 C-11 610 F-12 611 F-12 683 F-11 D068 B-9 069 A-1	

071 B-1

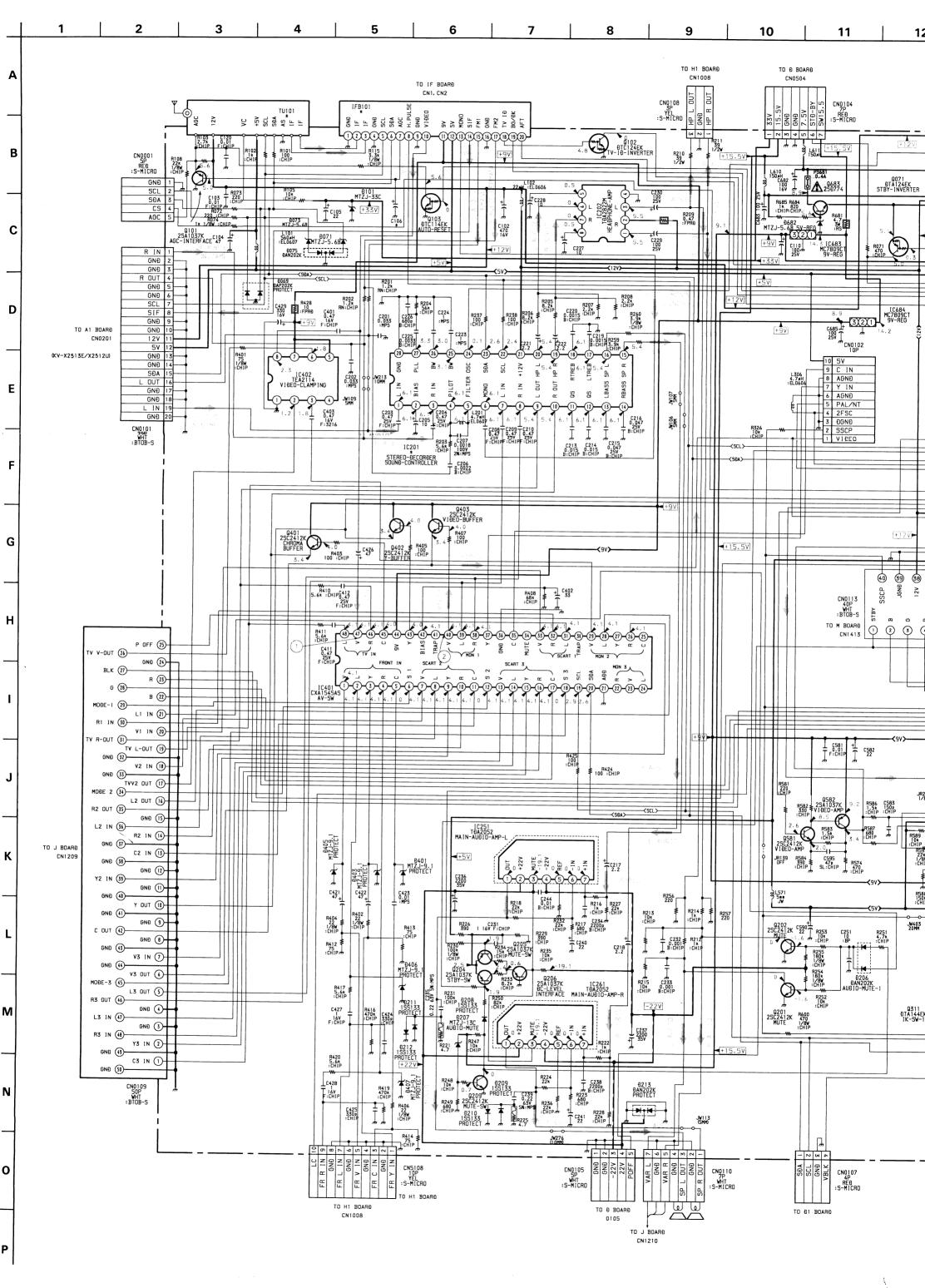


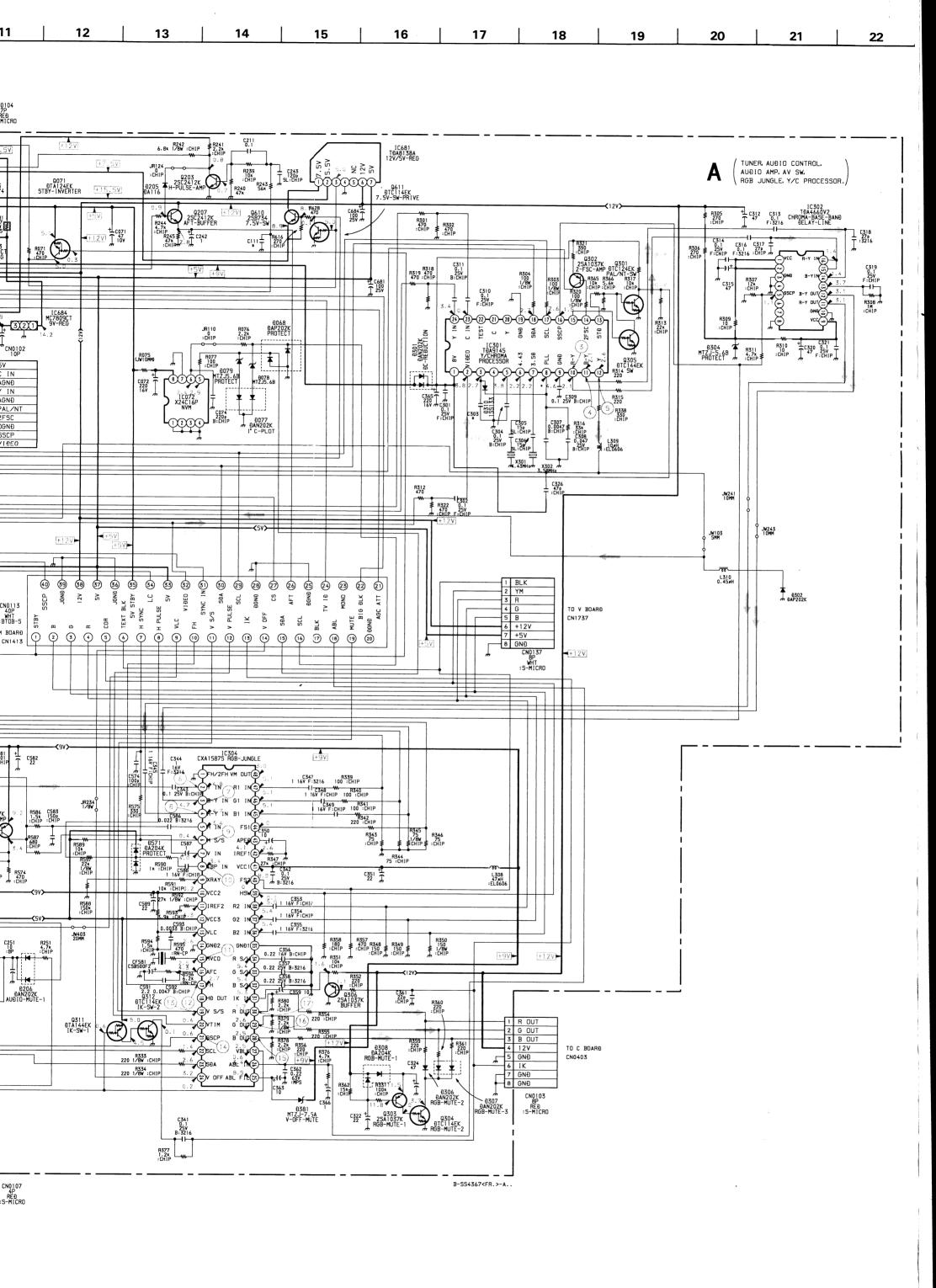
de which enables seeing.



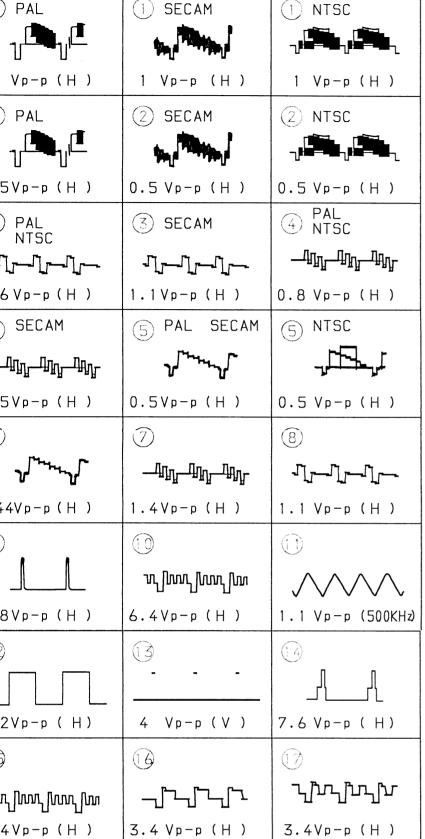
Note:

- Pattern from the side which enables seeing.
- Pattern of the rear side.





VEFORMS A BOARD

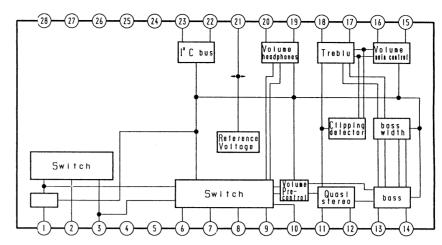


o the voltage value shown by the k ※ on the Schematic Diagram, another list.

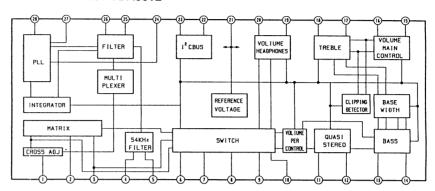
	PAL	SECAM	NTSC 3.58	NTSC 4.43
801 (5.0	4.6	5.0	5.0

	KV-X2561D KV-X2561A KV-X2561K	KV-X2560B KV-X2561B	KV-X2563E	KV-X2562U
06	4.7/50V	10/50V	4.7/50V	4.7/50V
11	_	0.001/50V	2000	
03	1	2.2	1	1
101	-	_	20P	20P
201	TDA6612	TDA6612	TDA6612	TDA6622
101	IFH-389	IFH-389F	IFH-389	IFH-395
101	UV-916H	UV-916H	UV-916H	U-944C

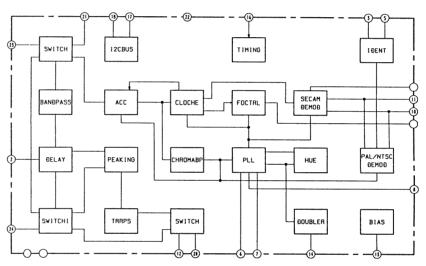
• A BOARD IC201 TDA6622 (KV-X2562U only)



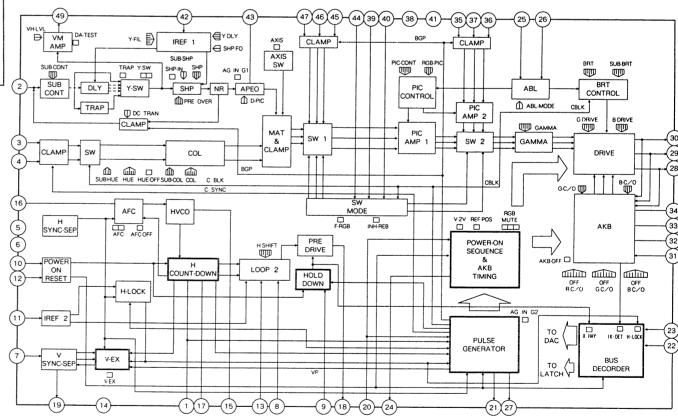
· A BOARD IC201 TDA6612



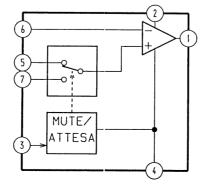
• A BOARD IC301 TDA9145



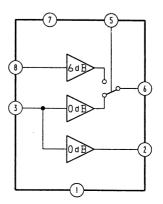
• A BOARD IC304 CXA1587S



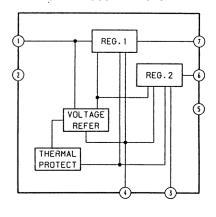
• A BOARD IC251 TDA2052



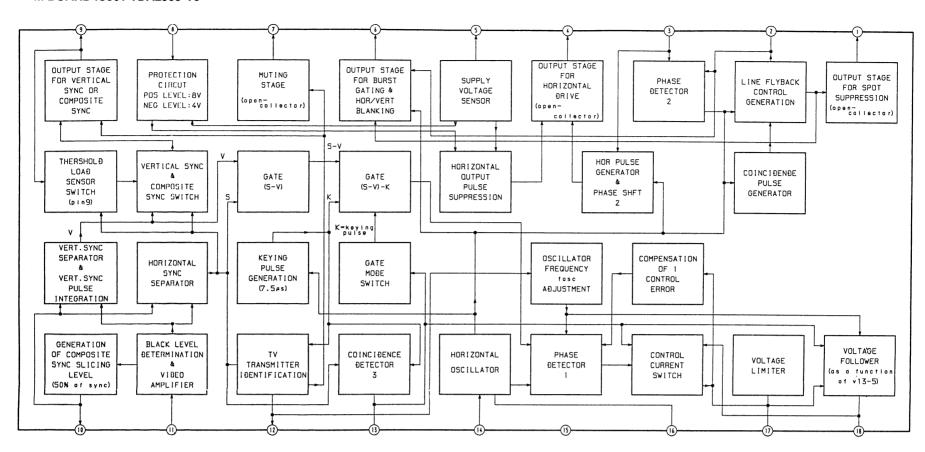
• A BOARD IC402 TEA2114



• A BOARD IC681 TDA8134



• M BOARD IC501 TDA2595-V9



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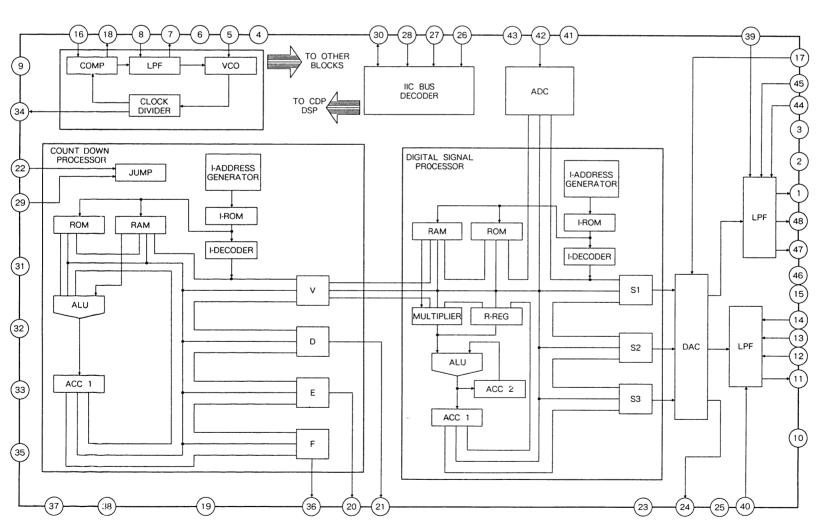
Н

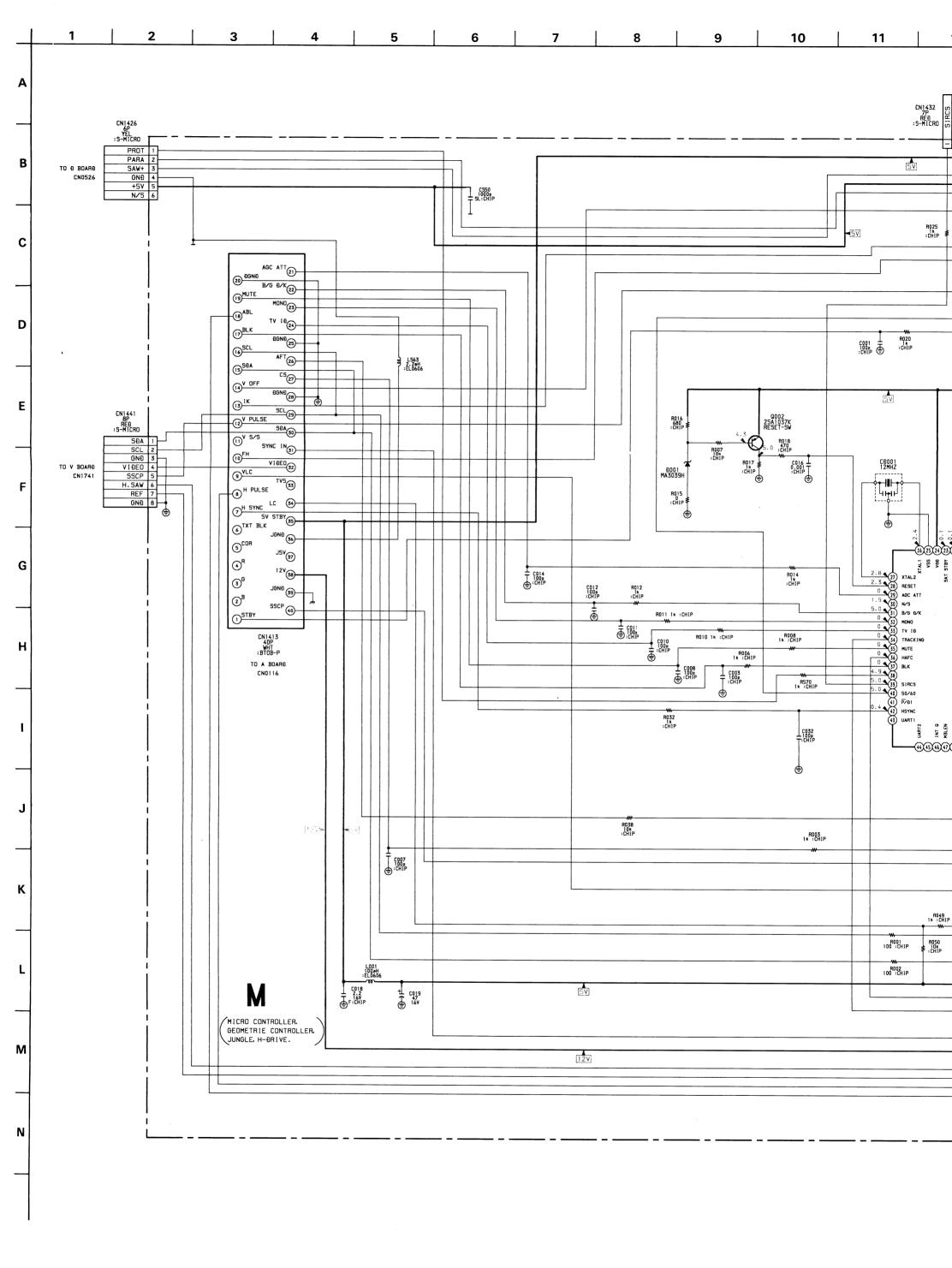
ı

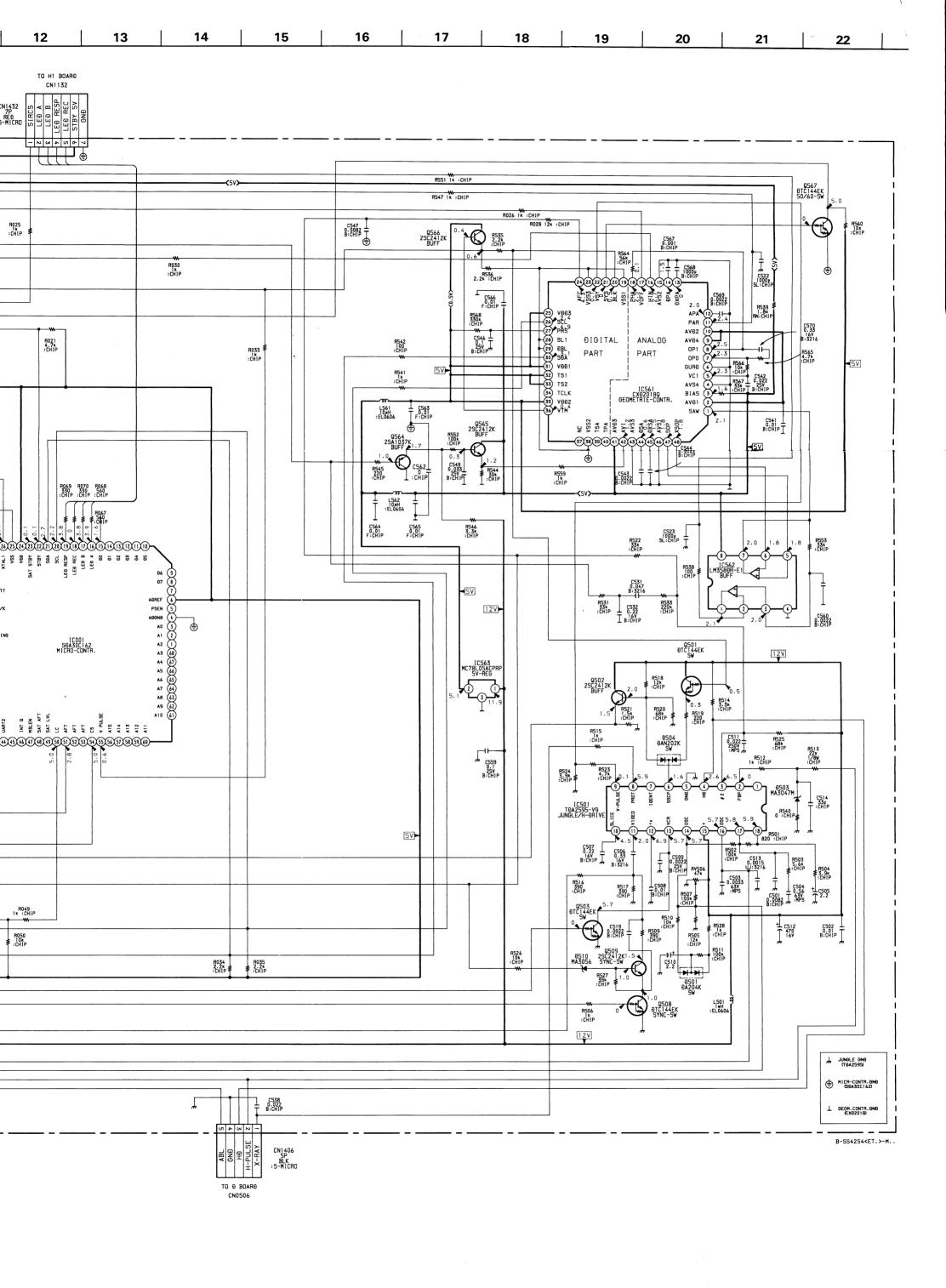
Κ

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• M BOARD IC561 CXD2018Q







TO C BOARĐ CN0421

TO C BOARĐ CN0421

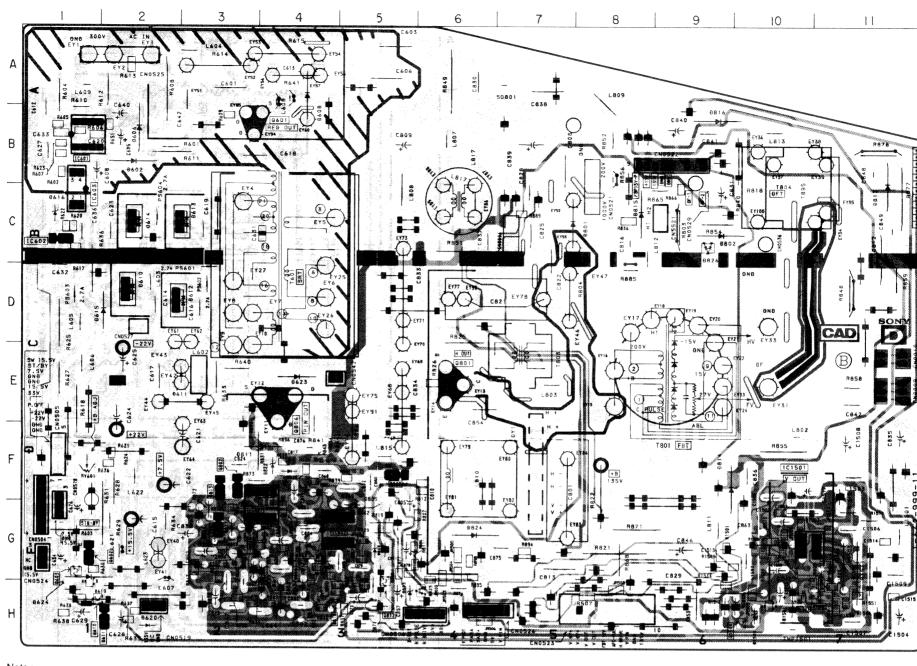
TO F2 BOARĐ CN0929

TO COATING EARTH ASSY

O PICTURE TUBE HV

N5521 3P WHT -MICRO

- D BOARD -

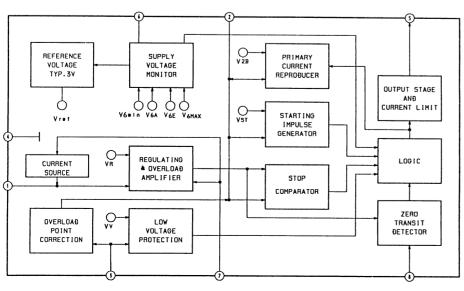


Note:

- · Pattern from the side which enables seeing.
- Pattern of the rear side.

IC	DIODE	D828 F - 4 D830 H - 5
IC601	D602 B-2 D606 B-2 D608 A-4 D610 D-2 D611 E-2 D612 D-3 D613 C-3 D614 C-2 D616 C-1 D619 H-1	D831 G - 3 D832 G - 4 D833 G - 3 D1501 H - 10 D1503 G - 11 D1504 H - 10
TRANSISTOR	D620 H - 2 D624 G - 1	VARIABLE RESISTOR
Q601 B - 3 Q602 G - 1 Q603 G - 1 Q610 H - 1 Q611 H - 2 Q801 E - 6 Q802 F - 3 Q804 G - 4 Q805 G - 3 Q806 E - 4 Q807 F - 5 Q812 H - 5 Q813 F - 3 Q818 H - 4 Q1501 H - 10 Q1502 G - 11 Q1503 H - 11 Q1504 H - 10	D801	RV601 F - 1

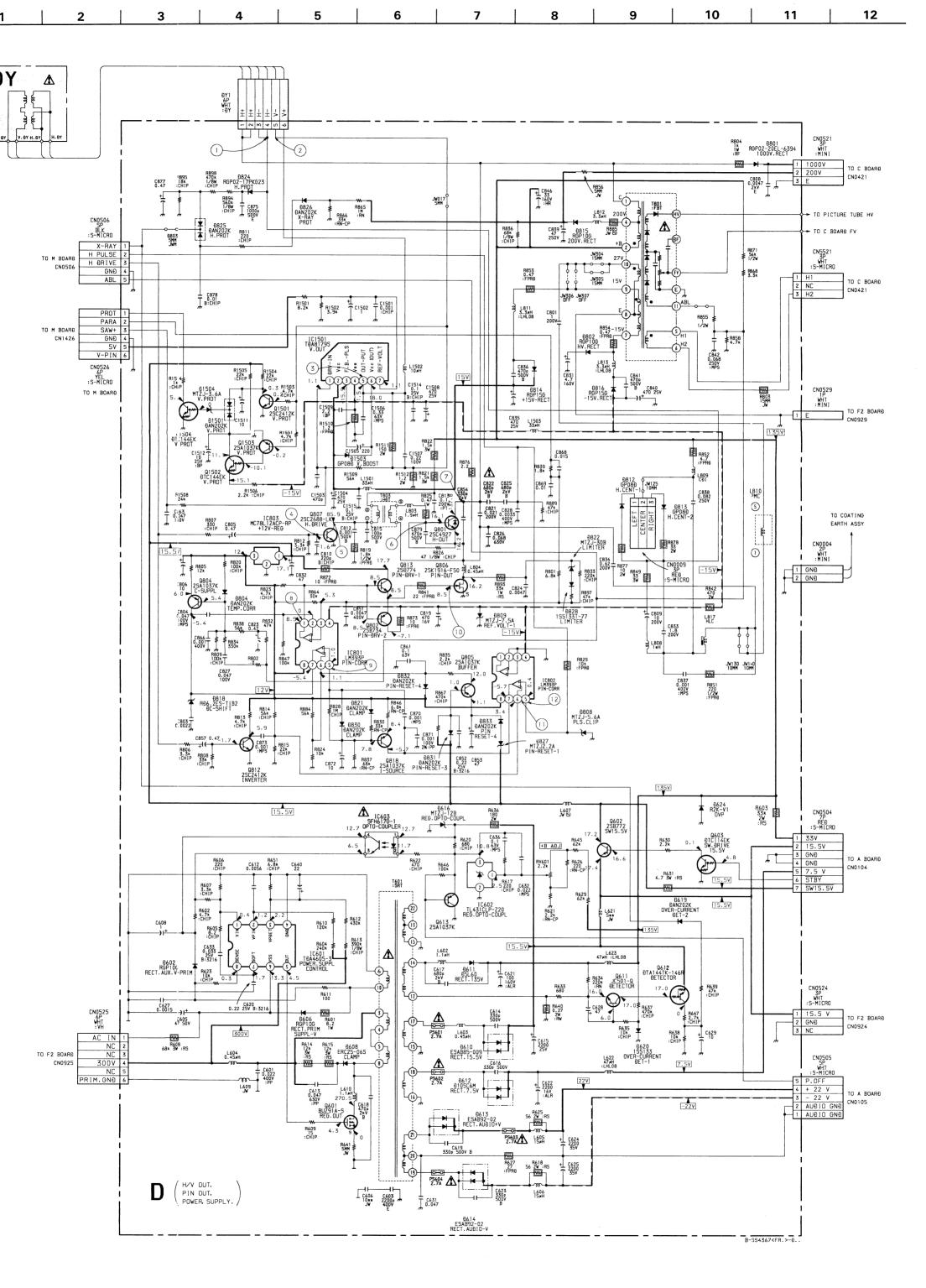
• D BOARD IC601 TDA4605-3

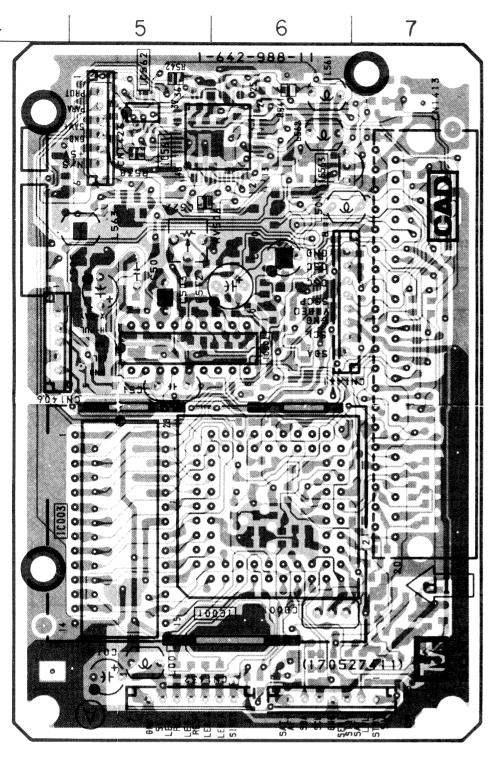


P HT IICRO 5 V TO F2 BOARĐ CN0924

10505 SP WHT HICRO FF Z V 10 GND 10 GND

TO A BOARĐ CN0104

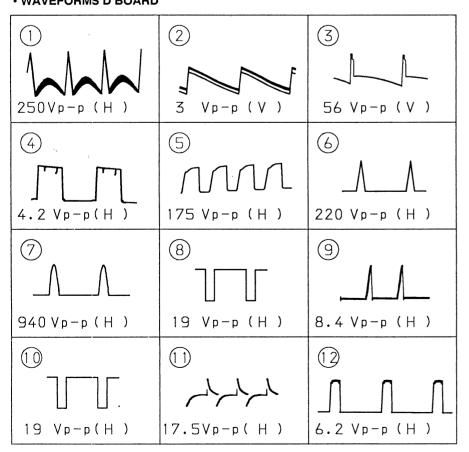


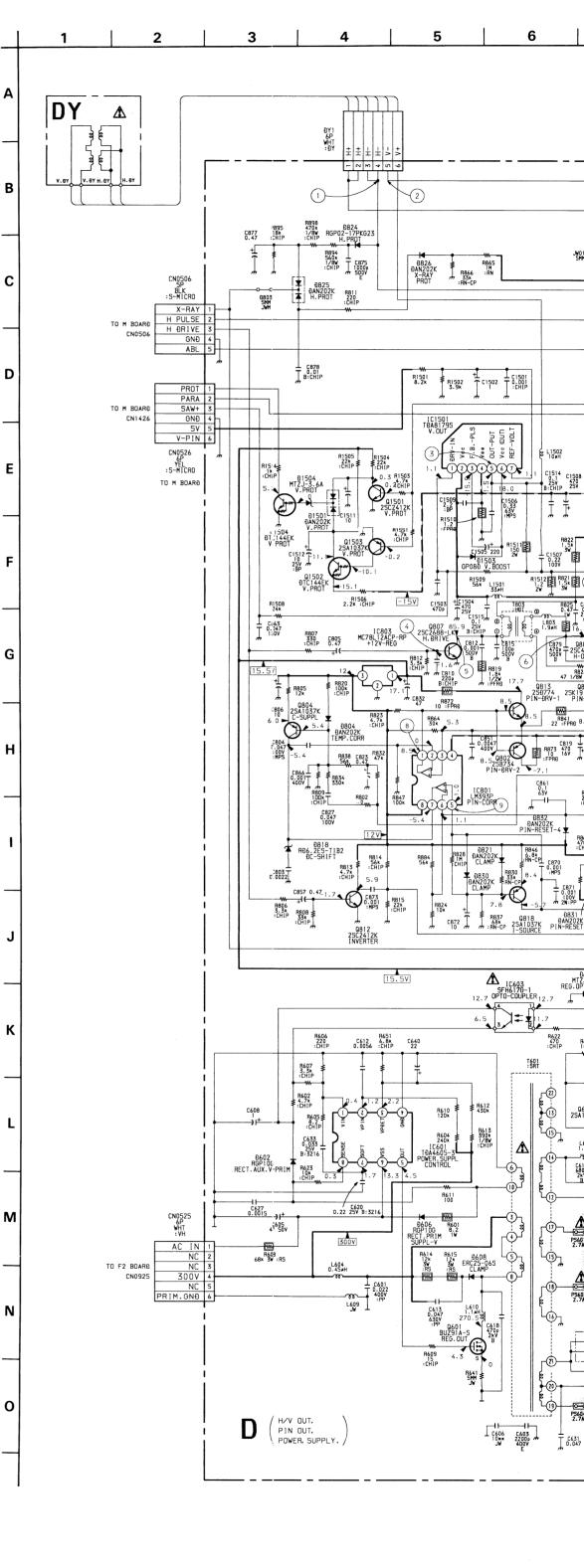


Note:

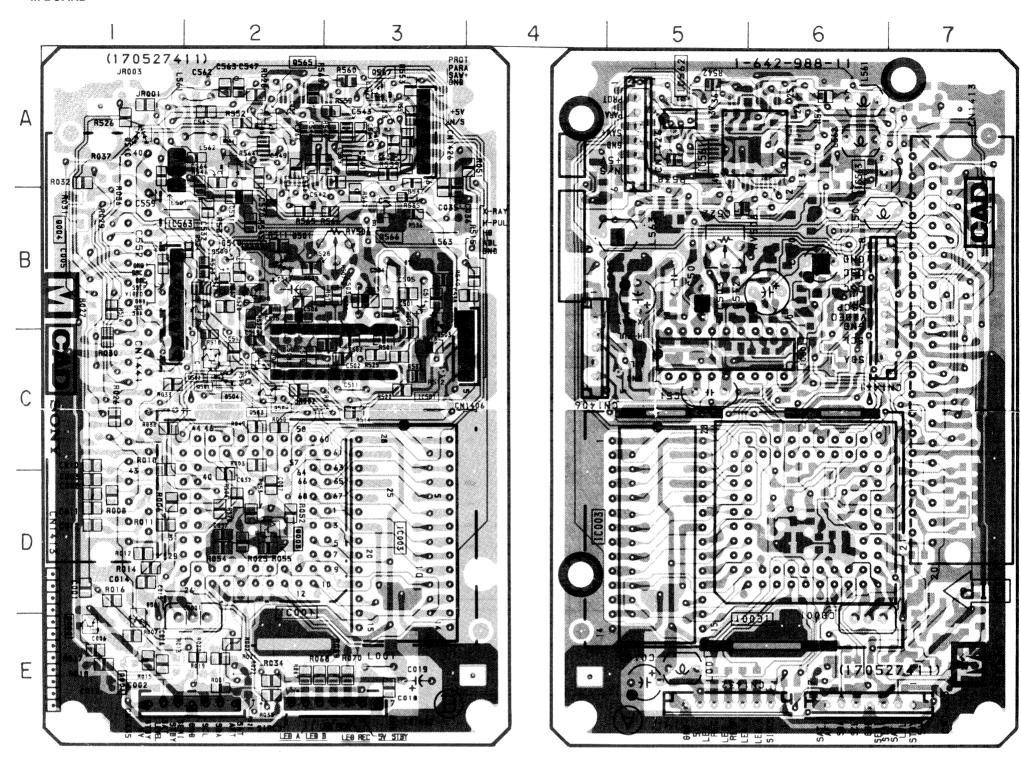
- ASSE: Pattern from the side which enables seeing.
- Pattern of the rear side.

• WAVEFORMS D BOARD





- M BOARD -



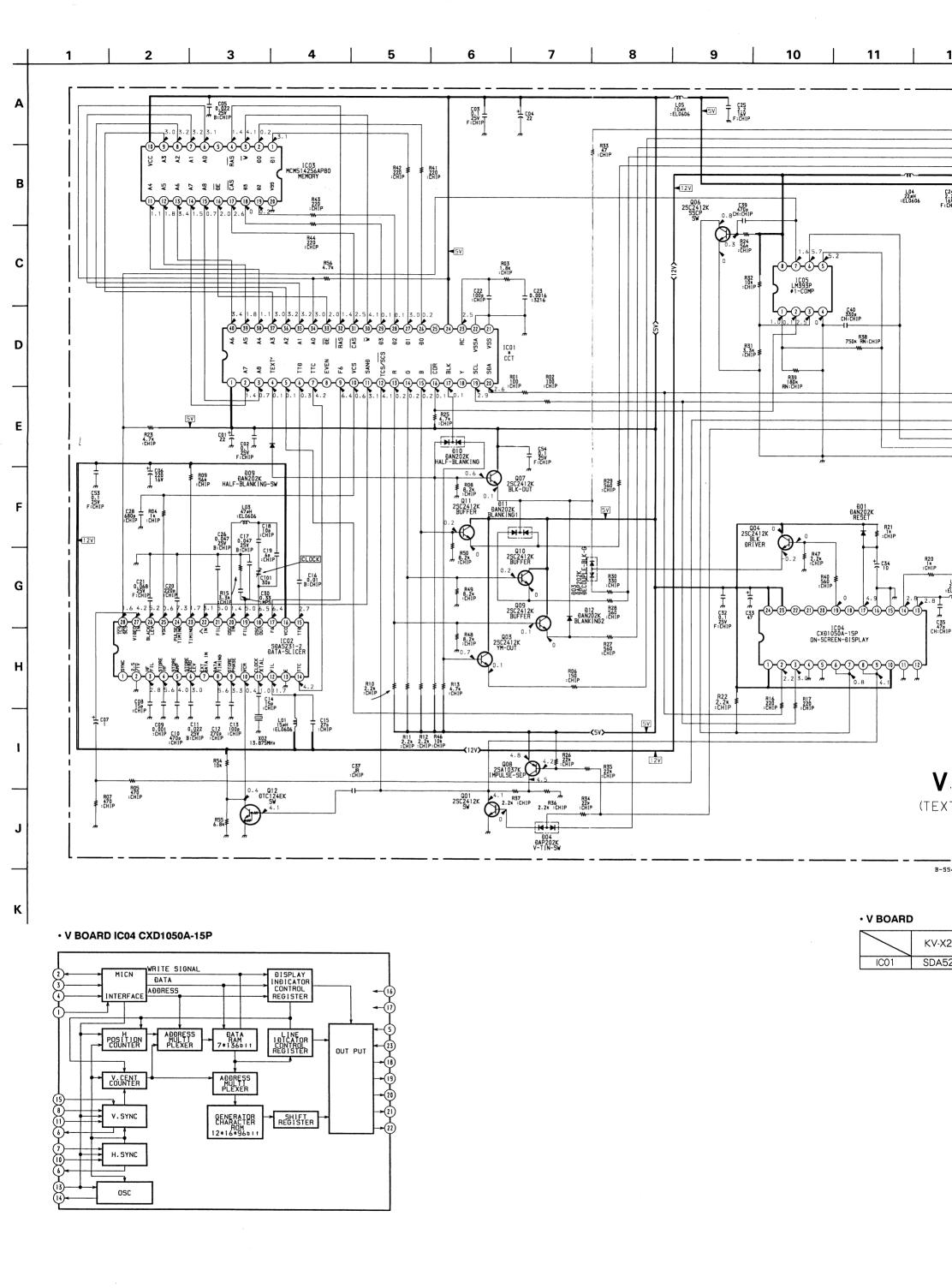
10	C	DIC	ODE
IC001 IC003 IC501 IC561 IC562 IC563	D - 2 D - 3 C - 3 A - 6 A - 5 A - 1	D001 D501 D503 D504 D510	E - 1 B - 1 B - 3 C - 2 A - 1
TRANS	SISTOR E-2		IABLE STOR
Q003 Q501 Q502 Q503 Q508 Q509 Q564 Q565 Q566	D - 2 C - 2 B - 2 C - 2 B - 2 A - 2 B - 3 A - 3	RV506	B - 3

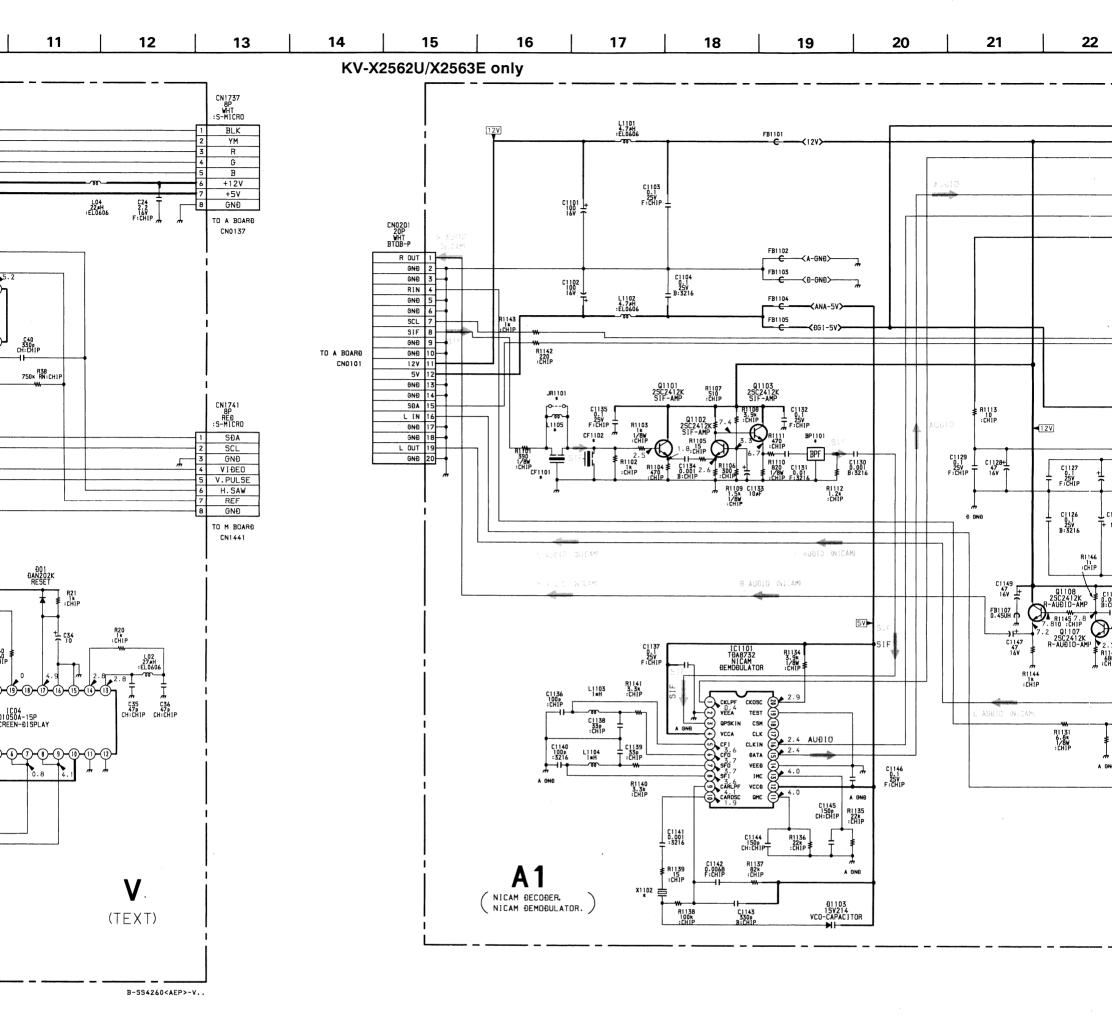
Note:

- \bullet Haller : Pattern from the side which enables seeing.
- Pattern of the rear side.

• WAVEFORMS D BOARD

1) 250Vp-p (H)	2) 3 Vp-p (V)	3 56 Vp-p (V)
4	5	6
		//
4.2 Vp-p(H)	175 Vp-p (H)	220 Vp-p (H)
7	8	9
940 Vp-p (H)	19 Vp-p (H)	8.4 Vp-p (H)
10	1)	12
	المرابرائر	
19 Vp-p(H)	17.5Vp-p(H)	6.2 Vp-p (H)

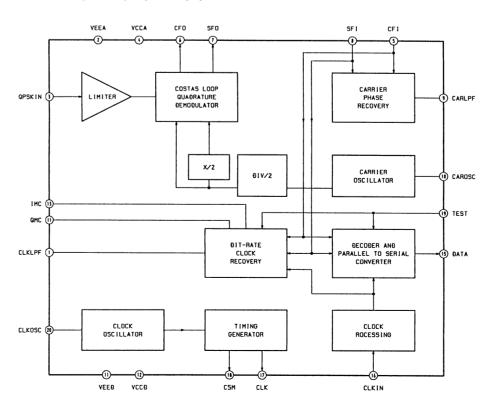




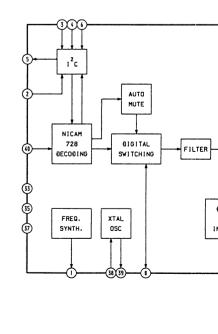


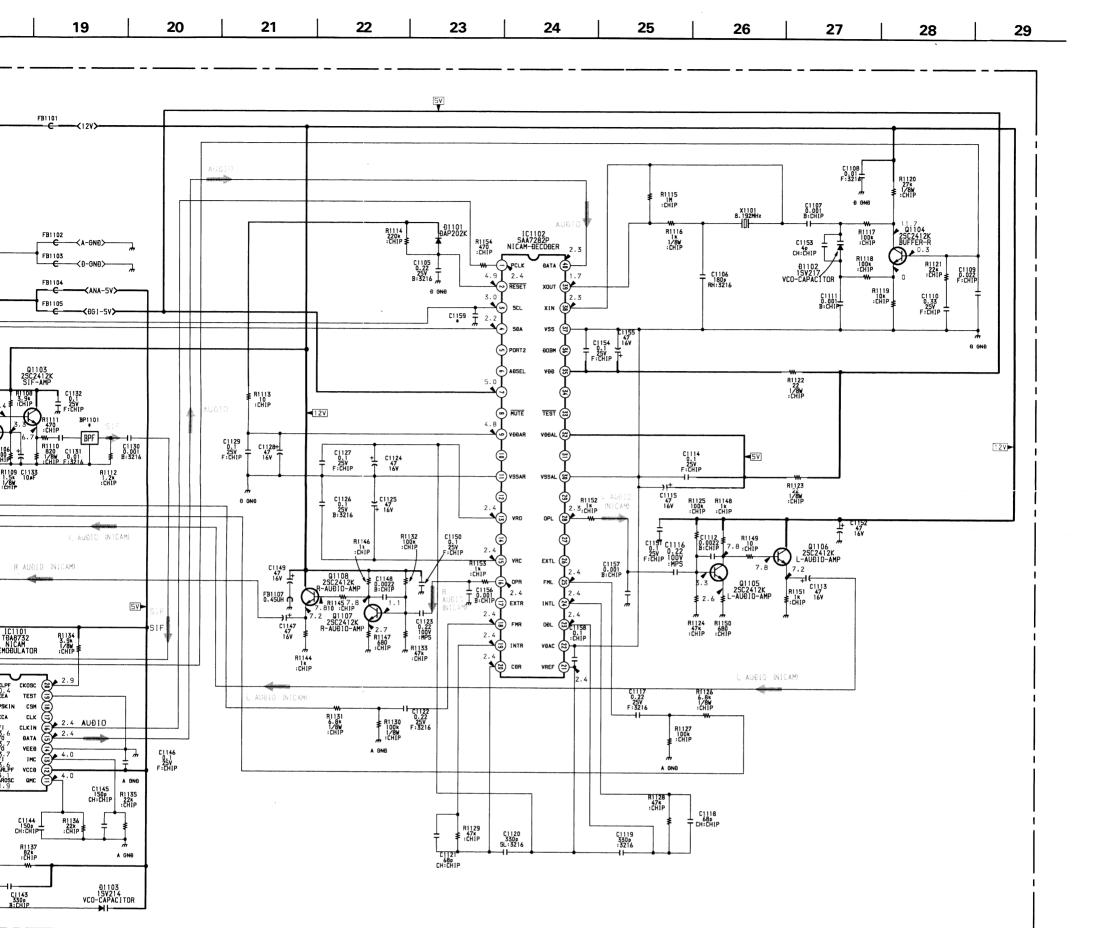
	KV-X2561K	OTHERS
ICO1	SDA5248C2	SDA5248C1

• A1 BOARD IC1101 TDA8732



• A1 BOARD IC1102 SAA7282P





B-SS4254<ET.>-A1.

• A1 BOARD IC1102 SAA7282P

ARRIER PHASE COVERY

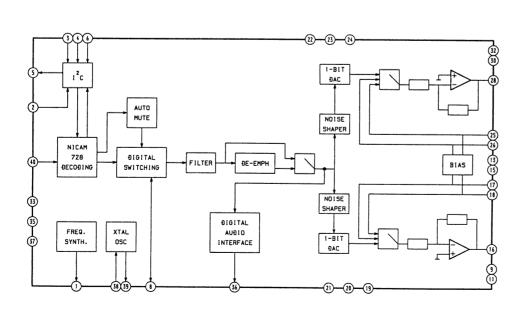
DDER AND L TO SERIAL NVERTER

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CAROSC

(19) TEST

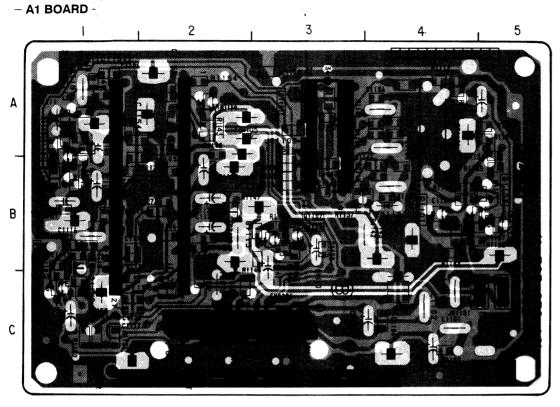
(B) BATA



A1 BOARD (KV-X2562U/X2563E only)

	KV-X2563E	KV-X2562U
BP1101	5.850MHz	6.552MHz
C1159		47P : CHIP
CF1101	_	6.0MHz
CF1102	5.5MHz	_
JR1101	O : CHIP	-
L1105	Austra	15 μ Η
X1102	11.700MHz	13.104MHz





IC			
IC1101	A - 3		
IC1102	B - 2		
TRANS	SISTOR		
Q1101	B - 4		
Q1102	B - 5		
Q1103	B - 5		
Q1104	A - 1		
Q1105	B - 1		
Q1106	C - 1		
Q1107	B - 3		
Q1108	B - 3		
DIODE			
D1101	A - 2		
D1102	A - 1		
D1103	B - 4		

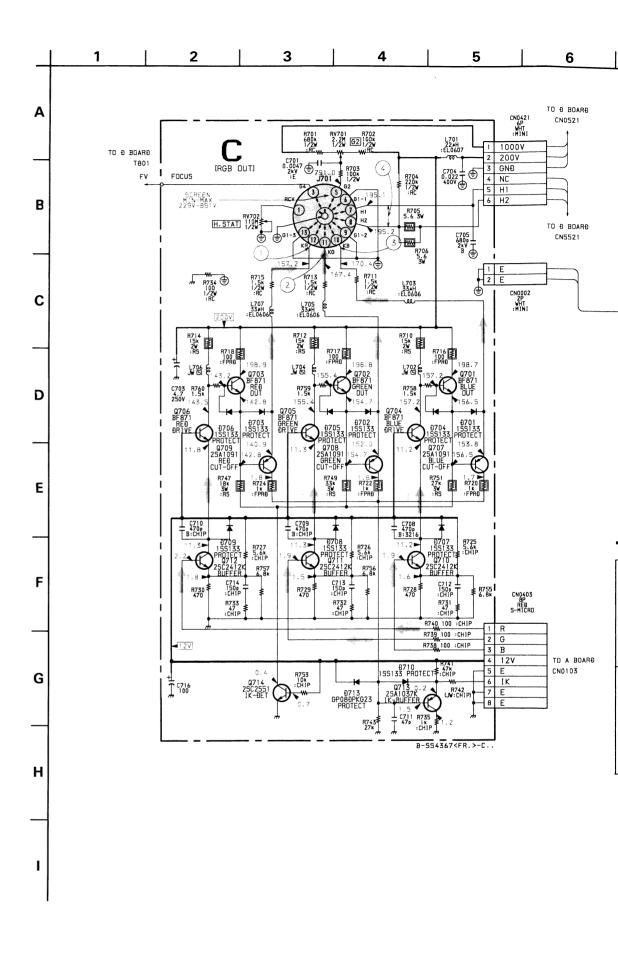
Note:

- Pattern from the side which enables seeing.
- Pattern of the rear side.

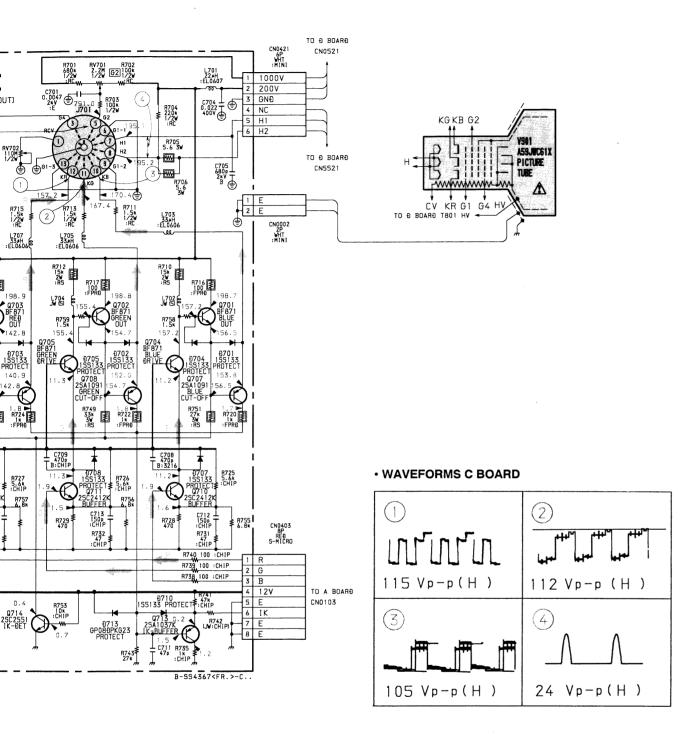
	2		3	4	5
А				्रमुस्क स्थाप	
В		Problems 12		(N)	
С		12-990-11 Z	20 H		U 8

- V BOARD -

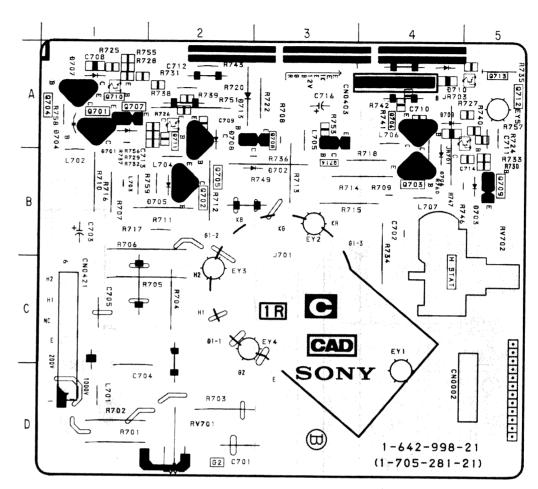
IC		900 900	A - 1 C - 1	
ICO2 B ICO3 B	- 3 - 4 - 1 - 2	Q010 Q011 Q012	C - 2 C - 2 C - 3	
IC05 A - 4		DIODE		
TRANSIS	TOR	D01 D03 D04	B – 2 B – 1 B – 1	
Q03 C Q04 B Q06 B	-1 -2 -2 -3 -1	D09 D010 D011 D012	C - 4 C - 3 C - 2 C - 1	



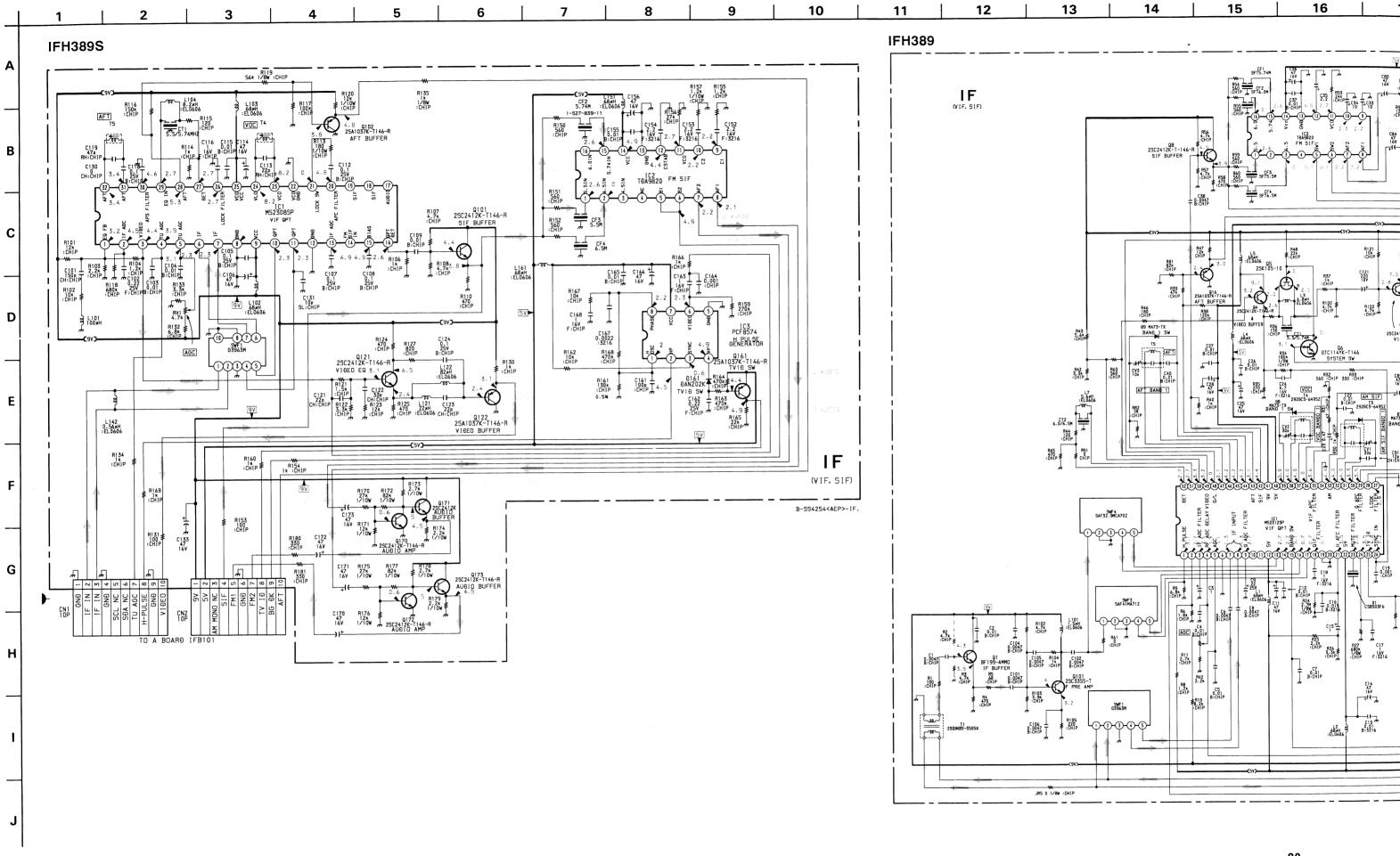




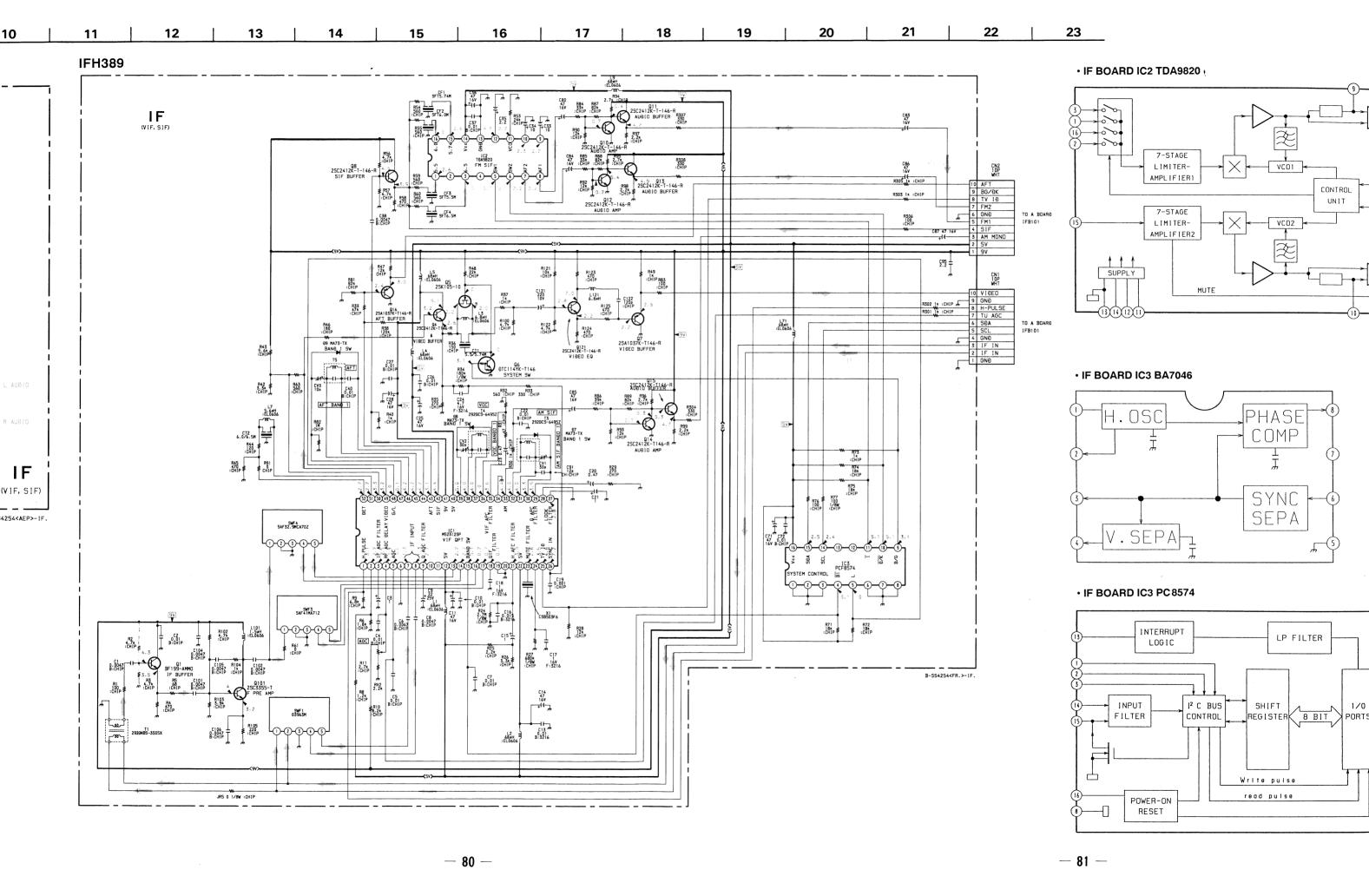
- C BOARD -



Q701 A - 1 Q702 B - 2 Q703 B - 4 Q704 A - 1 Q705 B - 2 Q706 A - 4 Q707 A - 1 Q708 A - 3 Q709 B - 5 Q710 A - 1 Q711 A - 2 Q712 A - 5 Q713 A - 5 Q714 A - 3 DIODE D701 A - 1 D702 B - 3 D703 B - 5 D704 A - 1 D705 B - 2 D706 B - 4 D707 A - 1 D708 A - 2 D709 A - 4 D710 A - 4 D710 A - 4 D713 A - 2							
D701 A - 1 D702 B - 3 D703 B - 5 D704 A - 1 D705 B - 2 D706 B - 4 D707 A - 1 D708 A - 2 D709 A - 4 D710 A - 4							
D702 B-3 D703 B-5 D704 A-1 D705 B-2 D706 B-4 D707 A-1 D708 A-2 D709 A-4 D710 A-4							
VARIABLE RESISTOR							
RV701 D - 2 RV702 C - 4							









23 19

R303 1k :CHIP

R306 100 :CHIP

C95 ↓ 2.2 Ţ

B-SS4254<FR.>-IF.

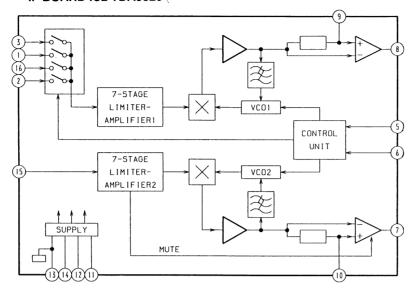
9 BG/ÐK 8 TV IÐ 7 FM2 6 GNÐ 5 FM1 4 SIF 3 AM MONO

9 GND
8 H-PULSE
7 TU AGC
6 SDA
5 SCL
4 GND
3 IF IN

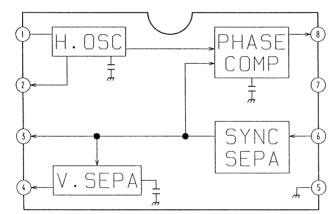
TO A BOARD IFB101

TO A BOARD IFB101

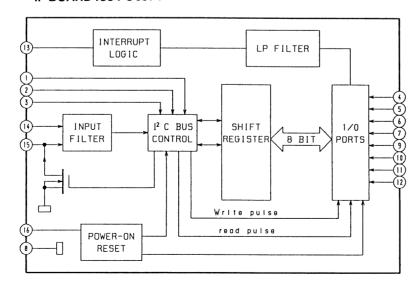
• IF BOARD IC2 TDA9820



• IF BOARD IC3 BA7046

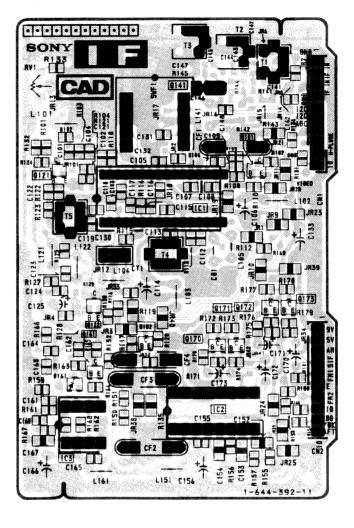


• IF BOARD IC3 PC8574

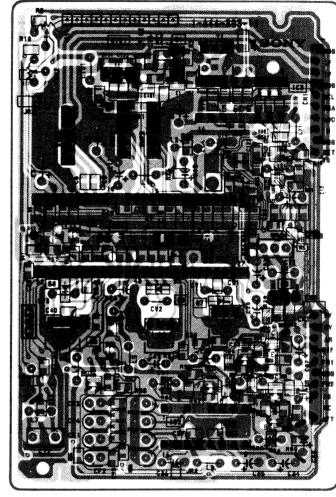


- IF BOARD -

KV-X256



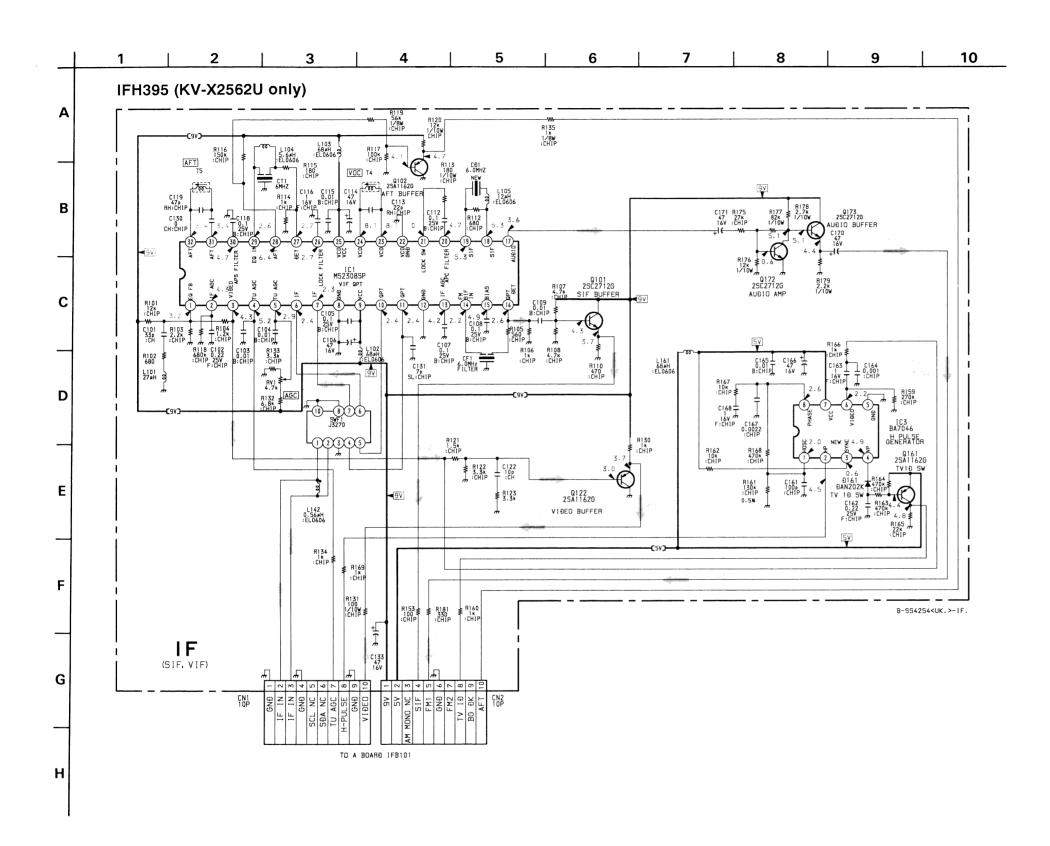
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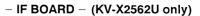


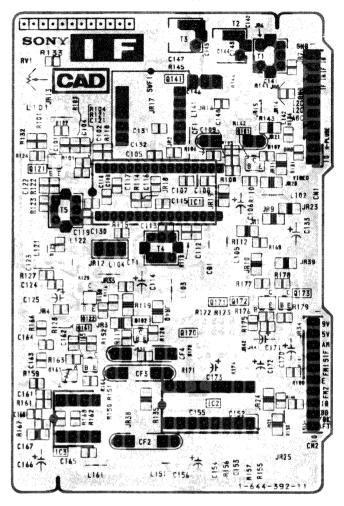
Note:

- 2 : Pattern from the side which enables seeing.
- Pattern of the rear side.





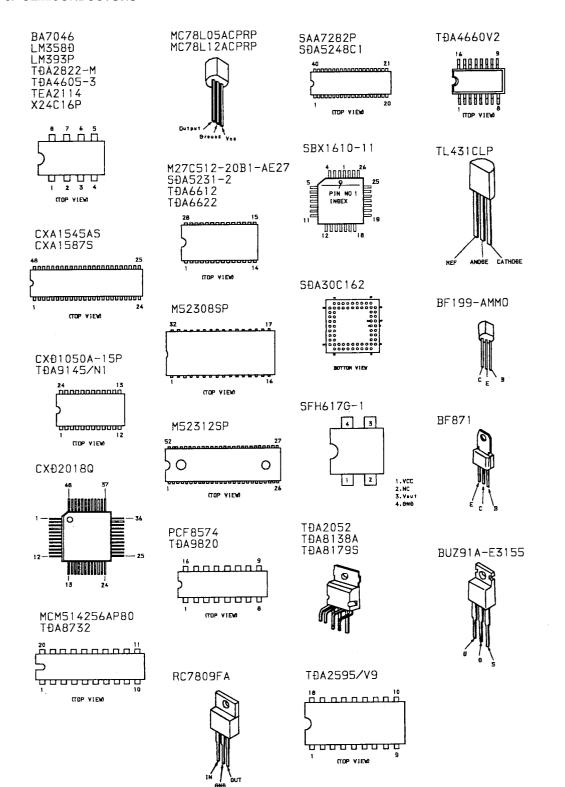




SYSTEM SWITCH SYSTEM SW1TCH IF CONNEXION 1 E A AFC IF CONNEXION II • 52305 中 [2323 **⊣⊢**€ R3318 \$ C2317 C2312 15025 **284** 1-5118 ¥ R3018 C2030 R3016≰ R3120 06013 _£41190-L5413 15412 C2029 C2124 C2321 C2319 L C2320 T 107002 C2028 C2027 R3223 F R3316 102001 R3307 R3317 (C2122 C2221 £15523 ر5219 R3309 ₹ R3221 £ 25822 C2020 R3015 96215 R3315 IF OUT IF OUT L5018 L5018 06113 CT2021 C2019 11090 C2216 06213 R3217 C2115 15212 SĐA L50143 £2219 £ C2117 R3321 ≸R3224 07010 Ξ<u>Ξ</u>Ξ ₹ R3211 96211 C2211 H3110 C2231 R3210 C2210 🛨 R30107 101118 101118 L5210 3 ISS C2109 L5211 L5110 9

5-5. SCHEMATIC DIAGRAM OF TUNER A BOARD TU101 UV916H

5-6. SEMICONDUCTORS



ÐA116-T146 ÐTA124EK ÐTA144EK ÐTA144TK ÐTC114EK ÐTC124EK ÐTC124EK ÐTC124EK 2SA1162-G 2SC1623-L5L6 2SC2413KQ



25A1306A-Y 2SC3298B-Y



25A733K 25A1091-0 25C2551-0

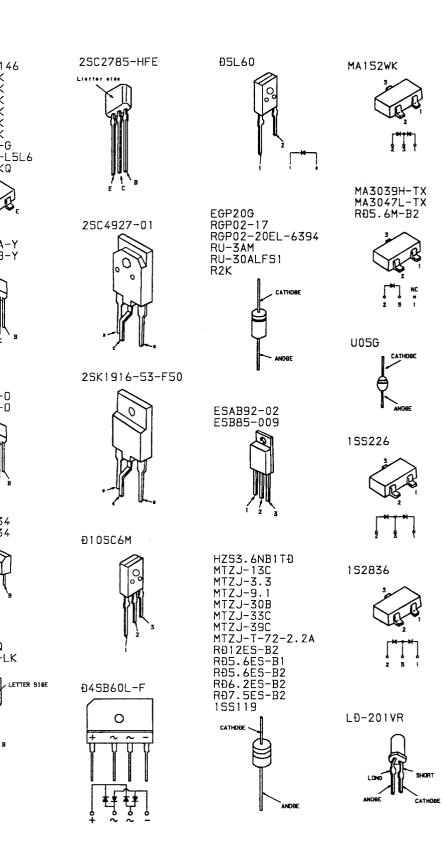


2SB734-34 2SĐ774-34



2SB772-Q 2SC2688-LK





SECTION 6 EXPLODED VIEWS

NOTE:

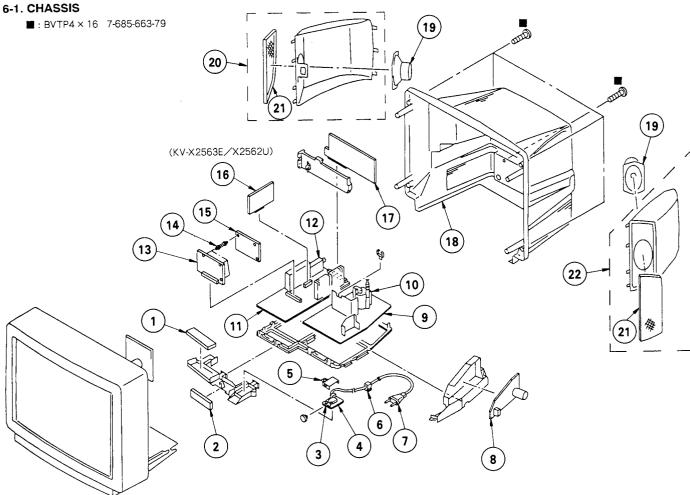
- · Items with no part number and no description are not stocked because they
- are seldom required for routine service.

 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety.

Replace only with part number specified. . Les composants identifies par une trame et une marque 🛕 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.





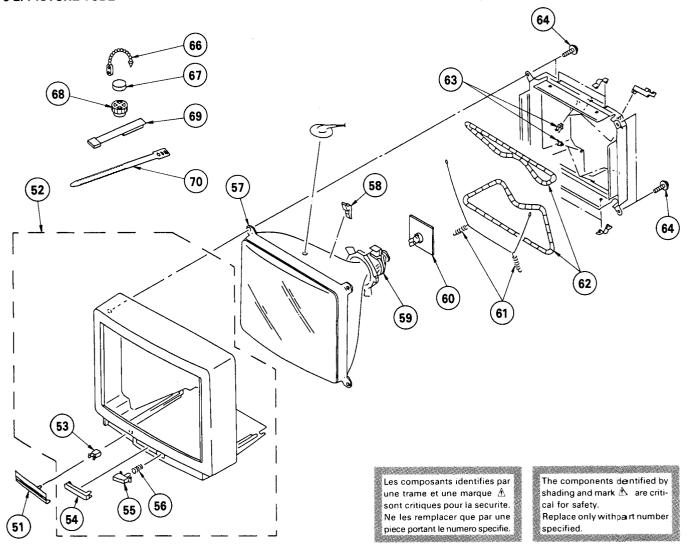
**			
REF.NO. PART NO.	DESCRIPTION REMARK	REF.NO	. PART NO.
1 *1-643-004-21 2 *1-642-997-11	H2 BOARD	11	*A-1632-12 *A-1632-10
2 *1-642-997-11 3 A 1-571-433-12 4 *A-1624-009-A 5 4-036-633-01	SWITCH, PUSH (AC POWER) FI BOARD, COMPLETE		*A-1632-12 *A-1632-11
6 <u>A</u> 4-389-201-04 7 <u>A</u> 1-590-460-11	HOLDER, AC CORD CORD, POWER (WITH CONNECTOR)	1	<u>∧</u> 1-693-185 (
★ 1-690-296-11	(KV-X2560B, X2561B, X2561K, X2563E) CORD, POWER (WITH NOISE FILTER) (KV-X2561A)	13	<u>∧</u> 1-693-184 *A-1635-00 *3-682-419
A 1-590-501-11 A 1-590-762-11	(KV-X2561V)	15 16	*A-1645-02 *A-1630-11
8 *A-1624-010-A 9 *A-1642-075-A	F2_BOARD, COMPLETE	17	*A-1630-11 *A-1651-04 4-034-786
10 <u>A</u> 1-453-118-11			1-544-727 X-4200-08 X-4200-09

1			
	11	*A-1632-121-A *A-1632-109-A *A-1632-120-A *A-1632-119-A	A BOARD, COMPLETE (KV-X2560B,X2561B) A BOARD, COMPLETE (KV-X2561A,X2561D,X2561K) A BOARD, COMPLETE (KV-X2562U) A BOARD, COMPLETE (KV-X2563E)
	12	<u> 1-693-185-11</u>	TUNER (UV916H) 2560B,X2561A,X2561B,X2561D,X2561K,X2563E)
		A. 1-693-184-11	TUNER (U944C) (KV-X2562U)
	13	*A-1635-007-A	M BOARD, COMPLETE
	14	* 3-682-419-01	HOLDER, P.C.B
	15 16 17 18	*A-1630-110-A *A-1630-111-A *A-1651-046-A 4-034-786-01	V BOARD, COMPLETE A1 BOARD, COMPLETE (KV-X2562U) A1 BOARD, COMPLETE (KV-X2563E) J BOARD, COMPLETE COVER, REAR
	19 20	1-544-727-11 X-4200-088-1	SPEAKER (7.5X13CM) BAFFLE (L) ASSY, BOARD 21
į		X-4200-088-1 X-4200-097-1	GRILLE ASSY
	22	X-4200-087-1	7

DESCRIPTION

REMARK

6-2. PICTURE TUBE



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51 52 53	4-200-889-02 4-200-889-12 X-4031-103-1 4-392-036-01	DOOR (KV-X2560B,X2561A,X2561B,X2561D DOOR (KV-X2562U,X2563E) CABINET ASSY (WITH BEZEL ASSY) CATCHER, PUSH	,x2561K) 53~56	61 62 Δ 63 64	4-303-774-21 1-402-746-21 4-034-296-01 4-036-188-01	SPRING, GROUND WIRE COLL, DEGAUSSING HOLDER, DGC SCREW (M), PT	$Q_{\mu}^{\mu} U_{\mu}$
54 55 56	4-039-456-01 4-039-455-01 4-329-112-21	WINDOW, ORNAMENTAL BUTTON, POWER SPRING PICTURE TUBE (A59JWC61X) SPACER, DY		66 67 68 69 70	4-308-870-00 1-452-032-00 1-452-094-00 X-4387-214-1 3-701-007-00	CLIP, LEAD WIRE MAGNET, DISK; 10MM ø MAGNET, ROTATABLE DISK; 15MM ø PERMALLOY ASSY, CORRECTION BAND, BINDING	
59 △ 60	× 1-451-311-21 × A-1638-027-A	DEFLECTION YOKE (Y25FXA) C BOARD, COMPLETE					

SECTION 7 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark 🕭 are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque 🛕 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : μF, PF : μμF

• MMH : inH, UH : μH

RESISTORS

- · All resistors are in ohms
- F : nonflammable

REF.NO. PART NO.

REMARK | REF.NO. PART NO.

DESCRIPTION

REMARK

LF662A 1-424-391-11 TRANSFORMER, LINE FILTER LF663A 1-421-862-11 LFT

<TRANSISTOR>

Q661 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R

<RESISTOR>

R664	CARBON WIREWOUND METAL GLAZE CARBON CARBON	1 M 1.8 8.2 M 100 12 K	5% 5% 5% 5%	1/2W 10W 1W 1/4W 1/4W	F
	CARBON WIREWOUND CARBON	27K 1.8 680	5% 5% 5%	1/4W 10W 1/4W	F

<RELAY>

RY661A 1-515-720-31 RELAY

<THERMISTOR>

THP661A 1-809-827-11 THERMISTOR, POSITIVE

*A-1630-110-A A1 BOARD, COMPLETE (KV-X2562U) ******

*A-1630-111-A A1 BOARD, COMPLETE (KV-X2563E) ***********

<FILTER>

BP1101 1-236-238-11 FILTER, BAND PASS (KV-X2562U) 1-239-047-11 FILTER, BAND PASS (KV-X2563E) CF1101 1-409-333-00 TRAP, CERAMIC (6.0MHZ) (KV-X2562U) CF1102 1-404-134-00 TRAP, CERAMIC (5.5MHZ) (KV-X2563E)

<CAPACITOR>

C1101 C1102 C1103 C1104 C1105	1-126-101-11 1-126-101-11 1-163-038-00 1-163-077-00 1-164-489-11	ELECT ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF	20% 20% 10% 10%	16V 16V 25V 25V 16V
C1106 C1107 C1108 C1109 C1110	1-163-187-00 1-163-009-11 1-163-059-00 1-163-033-00 1-164-336-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.001MF 0.01MF 0.022MF	5% 10%	50V 50V 50V 50V 25V

DESCRIPTION

*A-1624-009-A F1 BOARD, COMPLETE ******

1-533-230-11 HOLDER, FUSE

<CONNECTOR>

CN0003A *1-580-844-11 PIN, CONNECTOR (POWER) CN0831A *1-695-292-11 PIN, CONNECTOR (POWER)

<FUSE>

F651 A.1-576-232-21 FUSE (H.B.C.) 5A/250V

<SWITCH>

\$651 A 1-571-433-12 SWITCH, PUSH (AC POWER)

******************* *A-1624-010-A F2 BOARD, COMPLETE

<CAPACITOR>

C661	FILM	0.47MF	20%	300V
	FILM	0.33MF	20%	300V
	CERAMIC	0.0022MF	20%	400V
	ELECT	220MF	20%	25V
	BLECT	22MF	20%	50V
C672 A 1-161-964-61	CERAMIC	0.0047MF	20%	250V
C673 A 1-161-964-61	CERAMIC	0.0047MF		250V
C674 1-125-318-00	ELECT (BLOCK)	220MF		400V

<CONNECTOR>

CN0005 *1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P CN0007 *1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P CN0924 *1-568-878-51 PIN, CONNECTOR 3P CN0925 *1-695-294-11 PIN, CONNECTOR (PC BOARD) 6P CN0929 *1-508-784-00 PIN, CONNECTOR (5MM PITCH) 1P

CN0931A * 1-691-291-11 PIN, CONNECTOR (PC BOARD) 5P

<DIODE>

8-719-911-19 DIODE 1SS119 8-719-400-18 DIODE MA152WK 8-719-510-63 DIODE D4SB60L-F D661 D662 D663 8-719-921-69 DIODE MTZJ-9.1 D664

<TRANSFORMER>

LF661A 1-424-391-11 TRANSFORMER, LINE FILTER



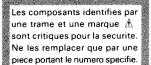
REF.NO. PART NO. DESCRIPTION REMARK REF.NO. PART NO. DESCRIPTION F	REMARK
C1111 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C1112 1-164-161-11 CERAMIC CHIP 0.002MF 10% 50V FB1102 1-410-396-41 FERRITE BEAD INDUCTOR FB1103 1-410-396-41 FERRITE BEAD INDUCTOR FB1103 1-410-396-41 FERRITE BEAD INDUCTOR FB1104 1-410-396-41 FERRITE BEAD INDUCTOR FB1105 1-410-396-41 FERRITE BEAD INDUCTOR FB1105 1-410-396-41 FERRITE BEAD INDUCTOR FB1107 1-410-396-41 FERRITE BEAD INDUCTOR FB1107 1-410-396-41 FERRITE BEAD INDUCTOR	
C1116 1-106-228-00 MYLAR 0.22MF 10% 100V C1117 1-163-081-00 CERAMIC CHIP 0.22MF 25V C1118 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C1119 1-163-193-00 CERAMIC CHIP 330PF 5% 50V C1120 1-163-193-00 CERAMIC CHIP 330PF 5% 50V C1120 1-163-193-00 CERAMIC CHIP 330PF 5% 50V C1120 1-163-193-100 CERAMIC CHIP 330PF 5% 50V	
C1121 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C1122 1-163-081-00 CERAMIC CHIP 0.22MF 25V C1123 1-106-228-00 MYLAR 0.22MF 10% 100V <coil> C1124 1-124-477-11 ELECT 47MF 20% 16V C1125 1-124-477-11 ELECT 47MF 20% 16V C1125 1-124-477-11 ELECT 47MF 20% 16V C1126 1-124-477-11 ELECT 47MF 20% 16V C1127 1-408-405-00 INDUCTOR 4.7UH</coil>	
C1126 I-163-077-00 CERAMIC CHIP 0.1MF 10% 25V L1103 I-410-119-11 INDUCTOR 1MMH C1127 I-163-038-00 CERAMIC CHIP 0.1MF 25V L1104 I-410-119-11 INDUCTOR 1MMH C1128 I-124-477-11 ELECT 47MF 20% 16V L1105 I-408-411-00 INDUCTOR 15UH (KV-X2562U) C1129 I-163-038-00 CERAMIC CHIP 0.1MF 25V C1130 I-163-205-00 CERAMIC CHIP 0.001MF 10% 50V C1128 C1129 C1130 C1129 C1130 C	
C1131 1-163-059-00 CERAMIC CHIP 0.01MF 50V C1132 1-163-038-00 CERAMIC CHIP 0.1MF 25V Q1101 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R C1133 1-124-907-11 ELECT 10MF 20% 50V Q1102 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R C1134 1-163-038-00 CERAMIC CHIP 0.001MF 10% 50V Q1103 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R C1135 1-163-038-00 CERAMIC CHIP 0.1MF 25V Q1104 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R C1105 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R	
C1136 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C1137 1-163-038-00 CERAMIC CHIP 0.1MF 25V Q1106 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R C1138 1-163-105-00 CERAMIC CHIP 33PF 5% 50V Q1107 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R C1139 1-163-105-00 CERAMIC CHIP 33PF 5% 50V Q1108 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R C1140 1-163-181-00 CERAMIC CHIP 100PF 5% 50V	
C1141 1-163-205-00 CERAMIC CHIP 0.001MF 5% 50V <resistor> C1142 1-163-019-00 CERAMIC CHIP 0.0068MF 50V C1143 1-163-003-11 CERAMIC CHIP 330PF 10% 50V JR1101 1-216-296-00 METAL GLAZE 0 5% 1/8W C1144 1-163-121-00 CERAMIC CHIP 150PF 5% 50V (KV-</resistor>	·X2563E)
C1144 1-163-121-00 CERAMIC CHIP 150PF 5% 50V C1145 1-163-121-00 CERAMIC CHIP 150PF 5% 50V JR1102 1-216-296-00 METAL GLAZE 0 5% 1/8J JR1103 1-216-296-00 METAL GLAZE 0 5% 1/8J JR1104 1-216-295-00 METAL GLAZE 0 5% 1/10 GLI47 1-124-477-11 ELECT 47MF 20% 16V C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V R1101 1-216-188-00 METAL GLAZE 390 5% 1/8J C1148 1/48 1/48 1/48 1/48 1/48 1/48 1/48	·
C1149 1-124-477-11 ELECT 47MF 20% 16V RITOZ 1-216-049-00 METAL GLAZE 1K 5% 1/10W C1150 1-163-038-00 CERAMIC CHIP 0.1MF 25V RITOZ 1-216-198-00 METAL GLAZE 1K 5% 1/8V	
C1151 1-163-038-00 CERAMIC CHIP 0.1MF 25V R1105 1-216-005-00 METAL GLAZE 470 5% 1/10 W C1152 1-124-477-11 ELECT 47MF 20% 16V C1153 1-163-087-00 CERAMIC CHIP 4PF 0.25PF 50V R1106 1-216-036-00 METAL GLAZE 300 5% 1/10 W C1154 1-163-038-00 CERAMIC CHIP 0.1MF 25V R1106 1-216-042-00 METAL GLAZE 300 5% 1/10 W C1155 1-124-477-11 ELECT 47MF 20% 16V R1108 1-216-063-00 METAL GLAZE 3.9K 5% 1/10 W R1109 1-216-202-00 METAL GLAZE 1.5K 5% 1/80 R1109 1-216-202-00 METAL GLAZE 1.5K 5% 1/80	
C1156 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C1157 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C1158 1-163-038-00 CERAMIC CHIP 0.1MF 25V R1111 1-216-041-00 METAL GLAZE 470 5% 1/D W C1159 1-163-243-11 CERAMIC CHIP 47PF 5% 50V R1112 1-216-051-00 METAL GLAZE 1.2K 5% 1/D W (KV-X2562U) R1113 1-216-001-00 METAL GLAZE 10 5% 1/D W R1114 1-216-105-00 METAL GLAZE 10 5% 1/D W R1115 1-216-121-00 METAL GLAZE 10 5% 1/D W R1115 1-216-121-00 METAL GLAZE 10 5% 1/D W R1115 1-216-121-00 METAL GLAZE 10 5% 1/D W	
<connector></connector>	
R1116 1-216-049-00 METAL GLAZE 1K 5% 1/D W R1117 1-216-097-00 METAL GLAZE 100K 5% 1/D W R1118 1-216-097-00 METAL GLAZE 100K 5% 1/D W R1118 1-216-073-00 METAL GLAZE 100K 5% 1/D W R1119 1-216-073-00 METAL GLAZE 10K 5% 1/D W R1120 1-216-232-00 METAL GLAZE 27K 5% 1/8\sqrt{8}	
D1101 8-719-104-34 D10DE 1S2836 R1121 1-216-081-00 METAL GLAZE 22K 5% 1/b w D1102 8-719-027-70 D10DE 1SV217-TPH3 R1122 1-216-158-00 METAL GLAZE 22 5% 1/8 P1103 8-719-820-71 D10DE 1SV214 R1123 1-216-158-00 METAL GLAZE 22 5% 1/b w R1124 1-216-089-00 METAL GLAZE 47K 5% 1/b w R1125 1-216-097-00 METAL GLAZE 100K 5% 1/b w	



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R1128 R1129 R1130 R1131 R1132	1-216-246-00 1-216-218-00	METAL GLAZE 4' METAL GLAZE 10 METAL GLAZE 6 METAL GLAZE 10	7K 5% 00K 5% .8K 5% 00K 5%	1/10W 1/10W 1/8W 1/8W 1/10W		C201 C202 C203 C204 C205	1-130-489-00 1-130-489-00 1-164-005-11 1-164-005-11 1-124-907-11	CERAMIC CHIP (CERAMIC CHIP (0.033MF 0.033MF 0.47MF 0.47MF 10MF	5% 5% 20%	50V 50V 25V 25V 50V
R1133 R1134 R1135 R1136 R1137	1-216-089-00 1-216-212-00 1-216-081-00 1-216-081-00 1-216-095-00	METAL GLAZE 3 METAL GLAZE 2 METAL GLAZE 2 METAL GLAZE 8	7K 5% 1.9K 5% 1.2K 5% 1.2K 5%	1/10W 1/8W 1/10W 1/10W 1/10W		C206 C207 C208 C209 C210	1-164-161-11 1-137-613-11 1-164-005-11 1-164-005-11 1-164-005-11	CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0018MF 0.47MF 0.47MF	10% 2%	50V 100V 25V 25V 25V
R1138 R1139 R1140 R1141 R1142	1-216-097-00 1-216-005-00 1-216-061-00 1-216-033-00	METAL GLAZE 1 METAL GLAZE 3 METAL GLAZE 3 METAL GLAZE 2	00K 5% 5 5% 3.3K 5% 3.3K 5% 220 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C213 C214 C215 C216 C217	1-163-023-00 1-163-023-00 1-163-809-11 1-163-809-11 1-124-925-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.015MF 0.047MF	10% 10% 10% 10% 20%	50V 50V 25V 25V 50V
R1143 R1144 R1145 R1146 R1147	1-216-049-00 1-216-049-00 1-216-001-00 1-216-049-00 1-216-045-00	METAL GLAZE 1 METAL GLAZE 1 METAL GLAZE 1 METAL GLAZE 6	1K 5% 10 5% 1K 5% 1K 5% 580 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C218 C219 C220 C221 C222	1-124-925-11 1-163-011-11 1-163-011-11 1-124-925-11 1-124-925-11	CERAMIC CHIP CERAMIC CHIP ELECT	2.2MF 0.0015MF 0.0015MF 2.2MF 2.2MF	20% 10% 10% 20% 20%	50V 50V 50V 50V 50V
R1148 R1149 R1150 R1151 R1152	1-216-049-00 1-216-001-00 1-216-045-00 1-216-049-00 1-216-049-00	METAL GLAZE 1 METAL GLAZE 6 METAL GLAZE 1 METAL GLAZE 1	1K 5% 10 5% 580 5% 1K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C223 C224 C225 C226 C227	1-136-177-00 1-136-177-00 1-164-182-11 1-163-007-11 1-124-907-11	FILM FILM CERAMIC CHIP CERAMIC CHIP BLECT	1MF 1MF 0.0033MF 680PF 10MF	5% 5% 10% 10% 20%	50V 50V 50V 50V 50V
R1153 R1154	<cry< td=""><td>METAL GLAZE 4</td><td>1K 5% 470 5%</td><td>1/10W 1/10W</td><td></td><td>C228 C229 C230 C231 C232</td><td>1-124-907-11 1-124-478-11 1-124-478-11 1-164-346-11 1-163-009-11</td><td>ELECT ELECT ELECT CERAMIC CHIP CERAMIC CHIP</td><td>10MF 100MF 100MF 1MF 0.001MF</td><td>20% 20% 20% 10%</td><td>50V 25V 25V 16V 50V</td></cry<>	METAL GLAZE 4	1K 5% 470 5%	1/10W 1/10W		C228 C229 C230 C231 C232	1-124-907-11 1-124-478-11 1-124-478-11 1-164-346-11 1-163-009-11	ELECT ELECT ELECT CERAMIC CHIP CERAMIC CHIP	10MF 100MF 100MF 1MF 0.001MF	20% 20% 20% 10%	50V 25V 25V 16V 50V
X1101 X1102 ****	1-579-283-11 1-579-282-21 ***********************************	VIBRATOR, CRYS' VIBRATOR, CRYS' VIBRATOR, CRYS'	TAL (KV-X25 TAL (KV-X25 ******	63E) *****		C233 C234 C235 C236 C237	1-163-009-11 1-164-161-11 1-130-772-00 1-124-618-11 1-124-618-11	ELECT		10% 10% 5% 20% 20%	50V 50V 63V 35V 35V
	*A-1632-109-A	A BOARD, COMPL ************* A BOARD, COMPL ************** A BOARD, COMPL	*** ETE *** (KV-X2561/ ETE (KV-X25	A, X2561		C238 C239 C240 C241 C242	1-164-161-11 1-130-772-00 1-124-916-11 1-124-916-11 1-124-903-11	ELECT ELECT	0.0022MF 0.22MF 22MF 22MF 1MF	10% 5% 20% 20% 20%	50V 63V 50V 50V 50V
	4-200-001-01 4-201-023-01	SPACER, INSULA	ETE (KV-X25 **** ATING	563E)		C244 C248 C249 C251 C301	1-164-232-11 1-163-185-00 1-163-129-00 1-126-320-11 1-163-038-00	CERAMIC CHIP CERAMIC CHIP ELECT	150PF 330PF 10MF	10% 5% 5% 20%	50V 50V 50V 16V 25V
C071	1-124-126-00	PACITOR> ELECT 4	17MF	20%	10 V	C302 C303 C304 C305 C306	1-163-038-00 1-164-337-11 1-164-004-11 1-163-097-00 1-163-097-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	2.2MF 0.1MF 15PF	10% 5% 5%	25V 16V 25V 50V 50V
C072 C074 C102 C103	1-124-120-11 1-163-001-11 1-126-103-11 1-163-031-11 1-124-910-11	CERAMIC CHIP 2 ELECT 4 CERAMIC CHIP C	470MF).01MF 47MF	20% 10% 20%	16V 50V 16V 50V	C307 C308 C309 C310 C311	1-163-017-00 1-163-809-11 1-164-004-11 1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.047MF 0.1MF 0.1MF	10% 10% 10%	50V 25V 25V 25V 25V
C105 C106	1-124-916-11 1-124-907-11 1-124-927-11	ELECT 2 ELECT 1	4.7MF	20% K,X2562	50V 50V 0B, X2561I 50V 2U, X2563I	C314 C315	1-124-910-11 1-163-077-00 1-163-038-00 1-124-910-11 1-163-077-00	CERAMIC CHIP CERAMIC CHIP ELECT	0.1MF 47MF	20% 20%	50V 50V 25V 50V 50V
C110 C111 C120	1-124-478-11 1-102-074-00 1-163-031-11	ELECT CERAMIC (100MF 0.001MF (K	20% 10%	25V 50V)B, X25611 50V	C317	1-163-103-00 1-163-103-00 1-163-038-00	CERAMIC CHIE	27PF	5% 5%	50V 50V 25V



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C320 C321 C322 C323 C324	1-124-916-11	CERAMIC CHIP ELECT CERAMIC CHIP	0.1MF 22MF	20% 20% 5% 20%	50V 25V 50V 50V 50V	CF581		TER> OSCILALTOR, CERAMIC NECTOR>	
C325 C326 C341 C342 C343	1-163-111-00 1-163-109-00 1-163-077-00 1-163-077-00 1-164-004-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	47PF 0.1MF 0.1MF	5% 5% 10% 10% 10%	50V 50V 25V 25V 25V	CN0101	*1-568-880-51 1-695-297-11 *1-564-511-11	PIN, CONNECTOR 5P CONNECTOR, BOARD TO PLUG, CONNECTOR 8P PIN, CONNECTOR 7P	BOARD 20P (KV-X2562U,X2563E)
C344 C345 C347 C348 C349	1-162-638-11 1-164-346-11 1-162-638-11 1-164-346-11 1-164-346-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	1MF 1MF 1MF 1MF		16V 16V 16V 16V 16V	CN0105 CN0107 CN0108 CN0109	*1-568-880-51 *1-568-879-51 *1-568-878-51 1-695-299-11	PIN, CONNECTOR 7P PIN, CONNECTOR 4P PIN, CONNECTOR 3P CONNECTOR, BOARD TO PIN, CONNECTOR 7P	BOARD 50P
C350 C351 C353 C354 C355	1-124-907-11 1-124-916-11 1-164-346-11 1-164-346-11 1-162-638-11	ELECT ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	IMF IMF	20% 20%	50V 50V 16V 16V 16V	CN0113 CN0119 CN0137	1-695-298-11 *1-568-879-11 *1-564-511-11	CONNECTOR, BOARD TO PIN, CONNECTOR 4P PLUG, CONNECTOR 8P PLUG, CONNECTOR 10P	BOARD 40P
C356 C357 C358	1-164-489-11 1-164-299-11 1-164-299-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.22MF	10% 10% 10%	16V 25V 25V		<dio< td=""><td>IDE></td><td></td></dio<>	IDE>	
C359 C361	1-104-299-11 1-124-907-11 1-163-101-00	ELECT CERAMIC CHIP	10 M F	20% 5%	50V 50V	D068 D069 D071	8-719-104-34 8-719-104-34	DIODE 182836	
C362 C363 C365	1-124-907-11	FILM ELECT ELECT	0.22MF 10MF 220MF	5% 20% 20%	63V 50V 16V	D073 D075	8-719-109-89 8-719-400-18	DIODE RD5.6ES-B2 DIODE RD5.6ES-B2 DIODE MA152WK	
C366 C401	1-124-120-11 1-124-903-11 1-164-005-11	ELECT CERAMIC CHIP	1MF	20%	50V 16V	D077 D078 D079		DIODE MA152WK DIODE RD5.6ES-B2 DIODE RD5.6ES-B2	
C402 C403 C411	1-124-917-11 1-162-637-11 1-164-005-11	ELECT CERAMIC CHIP CERAMIC CHIP		20%	50V 16V 25V	D101 D206	8-719-109-69 8-719-982-27 8-719-400-18	DIODE MTZJ-33C DIODE MA152WK	
C411 C412 C421	1-164-005-11 1-164-910-11	CERAMIC CHIP ELECT		20%	25 V 50 V	D207 D208 D209	8-719-921-89 8-719-911-19 8-719-911-19	DIODE 188119	
C422 C423 C424	1-124-910-11 1-101-004-00 1-163-129-00	ELECT CERAMIC CERAMIC CHIP	47MF 0.01MF 330PF	20% 5%	50V 50V 50V	D210 D211	8-719-911-19 8-719-911-19	DIODE 1SS119	
C425 C426	1-163-129-00 1-124-910-11	CERAMIC CHIP BLECT		5% 20%	50V 50V	D212 D213 D301	8-719-911-19 8-719-400-18 8-719-400-18	DIODE 188119 DIODE MA152WK DIODE MA152WK	
C427 C428 C429	1-164-346-11 1-164-346-11 1-124-119-00	CERAMIC CHIP CERAMIC CHIP ELECT	1MF 1MF 330MF	20%	16V 16V 16V	D302 D304	8-719-104-34	DIODE 1S2836 DIODE RD5.6ES-B2	
C574 C581	1-163-117-00 1-163-031-11	CERAMIC CHIP	100PF	5%	50V 50V	D305 D306 D307	8-719-400-18 8-719-400-18 8-719-400-18	DIODE MA152WK DIODE MA152WK DIODE MA152WK	
C582 C583 C586	1-124-916-11 1-163-121-00 1-163-063-00	ELECT CERAMIC CHIP CERAMIC CHIP	22MF 150PF 0.022MF	20% 5% 10%	50V 50V 50V	D308 D311	8-719-800-76 8-719-800-76	DIODE 188226 DIODE 188226	
C587 C588	1-124-903-11 1-164-346-11	ELECT CERAMIC CHIP	1MF	20 %	50 V 16 V	D381 D401 D403	8-719-110-03 8-719-921-69 8-719-921-69	DIODE RD7.5ES-B2 DIODE MTZJ-9.1 DIODE MTZJ-9.1	
C589 C590 C591 C592	1-126-103-11 1-124-916-11 1-124-925-11	ELECT ELECT ELEC T	470MF 22MF 2.2MF	20% 20% 20%	16V 50V 50V	D405 D406	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1	
C593	1-163-017-00 1-164-182-11	CERAMIC CHIE CERAMIC CHIE	0.0033MF	10% 10%	50 V 50 V	D407 D571 D682	8-719-921-69 8-719-800-76 8-719-109-89	DIODE 1SS226	
C595 C599 C681	1-163-109-00 1-164-232-11 1-124-478-11	CERAMIC CHIR ELECT	0.01MF 100MF	5% 10% 20%	50V 50V 25V		<10	>	
C682 C683	1-126-101-11 1-124-478-11	ELECT	100MF 100MF	20% 20%	16V 25V	1C072 1C201	8-759-073-14 8-759-073-30	IC TDA6612	
C684 C685	1-124-478-11 1-124-478-11		100MF 100MF	20 % 20 %	25V 25V	10202		IC TDA6622 (KV-X256	X2561D,X2% 1K,X2563E) 52U)



The components identified by shading and mark $\stackrel{\wedge}{\Lambda}$ are criti-

A				une trame et une sont critiques po Ne les remplace piece portant le nu	e marque 🛕 ur la securite. r que par une	shading an	ety.
REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
10302 8-759-084-91			Q403 Q581 Q582 Q610	8-729-901-81 8-729-901-81 8-729-216-22 8-729-140-97	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC2412K-T-14 SA1162-G	46-R 46-R
IC401 8-752-062-86 IC402 8-759-073-00 IC681 8-759-072-98 IC683 8-759-982-10	IC CXA1545AS IC TEA2114 IC TDA8138A IC RC7809FA IC RC7809FA		Q611 Q683		TRANSISTOR 2:	SD774-34	1/101
IFB101 1-466-735-11 1-466-733-11	BLOCK> IF BLOCK (IFH-389F) (KV-X2560B,X2 IF BLOCK (IFH-389) (KV-X2561A,X2561D,X2561K,		JR102 JR104 JR105 JR107 JR110	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
1-466-734-11		JR112 JR113	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W	
	INDUCTOR 560UH INDUCTOR 22UH INDUCTOR 4.7MMH INDUCTOR 4.7UH INDUCTOR 4.7UH		JR116 JR117 JR118	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
L308 1-408-417-00 L309 1-408-409-00 L310 1-410-396-41 L572 1-410-119-11 L610 1-412-539-41	INDUCTOR 47UH INDUCTOR 10UH FERRITE BEAD INDUCTOR INDUCTOR IMMH INDUCTOR 150UH		JR121 JR122 JR123	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
	INDUCTOR 150UH LINK> LINK, IC 0.44		JR132 JR133	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
<transistor></transistor>			1-216-296-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/8W 1/10W 1/10W	
Q101 8-729-216-22 Q102 8-729-901-00 Q103 8-729-900-53	TRANSISTOR DTA124EK TRANSISTOR 2SA1162-G TRANSISTOR DTC124EK TRANSISTOR DTC114EK TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R		JR141 JR142	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5%	1/100 1/100 1/100 1/100 1/100 1/100 1/100
Q203 8-729-901-81 Q204 8-729-216-22 Q205 8-729-216-22 Q206 8-729-216-22 Q207 8-729-901-81 Q209 8-729-901-81	TRANSISTOR ZSCZ41ZK-T-146-R TRANSISTOR ZSCZ41ZK-T-146-R TRANSISTOR ZSCZ41ZK-T-146-R TRANSISTOR ZSA1162-G TRANSISTOR ZSA1162-G TRANSISTOR ZSA1162-G TRANSISTOR ZSCZ41ZK-T-146-R TRANSISTOR ZSCZ41ZK-T-146-R TRANSISTOR ZSCZ41ZK-T-146-R TRANSISTOR ZSCZ41ZK-T-146-R TRANSISTOR ZSA1162-G TRANSISTOR ZSA1162-G TRANSISTOR DTC114EK TRANSISTOR DTC14EK TRANSISTOR ZSA1162-G TRANSISTOR ZSA1162-G TRANSISTOR ZSA1162-G TRANSISTOR ZSA1162-G TRANSISTOR ZSCZ41ZK-T-146-R TRANSISTOR ZSCZ41ZK-T-146-R		JR152 JR201A JR202 JR203 JR204	1-216-295-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10V 1/8W 1/8W 1/8W 1/8W
Q209 8-729-901-81 Q210 8-729-901-81 Q301 8-729-901-00 Q302 8-729-216-22 Q303 8-729-216-22	TRANSISTOR 2SC2412K-1-146-R TRANSISTOR 2SC2412K-T-146-R TRANSISTOR DTC124EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		JR205 JR206 JR207 JR208 JR209	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W
Q304 8-729-900-53 Q305 8-729-901-01 Q306 8-729-216-22 Q308 8-729-216-22 Q309 8-729-931-02	TRANSISTOR DTC114EK TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC2413KO		JR210 JR211 JR212 JR213 JR214	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W
Q311 8-729-901-06 Q312 8-729-900-53 Q313 8-729-216-22 Q401 8-729-901-81 Q402 8-729-901-81	TRANSISTOR DTA144EK TRANSISTOR DTC114EK TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R		JR215 JR216 JR217 JR218 JR219	1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W



REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			RI 	EM/
JR220 1-216-296-00 JR221 1-216-296-00 JR222 1-216-296-00 JR223 1-216-296-00 JR225 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5	5% 1 5% 1	/8W /8W /8W /8W	R216 R217 R218 R221 R222	1-216-049-00 1-216-045-00 1-216-081-00 1-212-849-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE FUSIBLE METAL GLAZE	1K 680 22K 4.7 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W F 1/10W	
JR226 1-216-296-00 JR227 1-216-296-00 JR228 1-216-296-00 JR229 1-216-296-00 JR230 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5	5% 1 5% 1 5% 1	/8W 1/8W 1/8W 1/8W	R223 R224 R225 R226 R227	1-216-045-00 1-249-433-11 1-212-849-00 1-249-412-11 1-216-081-00	METAL GLAZE CARBON FUSIBLE CARBON METAL GLAZE	680 22K 4.7 390 22K	5% 5% 5% 5%	1/10W 1/4W 1/4W F 1/4W 1/10W	
JR231 1-216-296-00 JR232 1-216-296-00 JR233 1-216-296-00 JR234 1-216-296-00 JR235 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 50	5% 1 5% 1 5% 1	1/8W 1/8W 1/8W 1/8W 1/8W	R228 R229 R230 R231 R232	1-216-081-00 1-216-039-00 1-216-246-00 1-216-097-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 390 100K 100K 22K	5% 5%% 5%% 5%% 5%%	1/10W 1/10W 1/8W 1/10W	
JR236 1-216-296-00 JR237 1-216-296-00 JR238 1-216-296-00 JR239 1-216-296-00 JR240 1-216-296-00 JR241 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5% 1 5% 1 5% 1	1/8W 1/8W 1/8W 1/8W 1/8W	R233 R234 R235 R236 R237 R238	1-216-071-00 1-216-077-00 1-216-073-00 1-216-081-00 1-216-025-00 1-216-025-00	METAL GLAZE	8.2K 15K 10K 22K 100 100	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
JR241 1-216-296-00 JR243 1-216-296-00 JR245 1-216-296-00 JR247 1-216-296-00 JR248 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5	5% 1 5% 1 5% 1	1/8W 1/8W 1/8W 1/8W 1/8W	R239 R241 R242 R244 R244 R245	1-216-023-00 1-216-295-00 1-216-065-00 1-216-214-00 1-216-069-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 4.7K 4.7K 6.8K 47K	5% 5%% 5%% 5%% 5%% 5%%	1/10W 1/10W 1/10W 1/8W 1/10W	
JR250 1-216-296-00 JR251 1-216-296-00 JR252 1-216-296-00 JR253 1-216-296-00 JR254 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5	5% 1 5% 1 5% 1	1/8W 1/8W 1/8W 1/8W 1/8W	R246 R247 R248 R249 R250	1-216-097-00 1-216-073-00 1-216-073-00 1-216-045-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 10K 10K 10K 680 82K	5 % % % % % % % % % % % % % % % % % % %	1/10W 1/10W 1/10W 1/10W 1/10W	
JR255 1-216-295-00 JR256 1-216-296-00 JR257 1-216-295-00 JR258 1-216-296-00 JR270 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	5% 1 5% 1 5% 1	1/10W 1/8W 1/8W 1/10W 1/8W 1/10W	R251 R252 R253 R254 R255	1-216-065-00 1-216-073-00 1-216-073-00 1-216-252-00 1-216-252-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 10K 10K 180K 180K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/8W	
JR272 1-216-295-00 R071 1-216-041-00 R072 1-216-033-00 R073 1-216-033-00 R074 1-216-198-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 220 220	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R256 R257 R258 R259 R260	1-249-409-11 1-249-409-11 1-216-089-00 1-216-063-00 1-216-212-00	CARBON CARBON METAL GLAZE	220 220 47K 3.9K 3.9K	5% 5% 5% 5%	1/4W 1/4W 1/10W 1/10W 1/10W	
R076 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R301 R302 R303 R304 R305		METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 470 100 100 270	5% 5% 5% 5%	1/10W 1/10W 1/8W 1/8W 1/8W	
R105 1-216-073-00 R108 1-216-230-00 R115 1-216-210-00 R201 1-216-653-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	22K 3.3K 1.2K	5% 5%	1/10W 1/8W 1/8W 1/10W	R306 R307 R308 R309 R310	1-216-035-00 1-216-075-00 1-216-121-00 1-216-001-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	270 12K 1M 10	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R203 1-216-067-00 R204 1-216-091-00 R205 1-216-071-00 R206 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 56K 8.2K 8.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R311 R312 R313 R314 R315	1-216-065-00 1-249-413-11 1-216-081-00 1-249-409-11 1-249-409-11		4.7K 470 22K 220 220	5% 5% 5% 5%	1/10W 1/4W 1/10W 1/4W 1/4W	
R208 1-216-057-00 R209 1-249-377-11 R210 1-247-734-11 R211 1-247-734-11 R212 1-216-049-00) METAL GLAZE CARBON CARBON CARBON	0.47 39 39	5% 5% 5% 5%	1/10W 1/4W F 1/2W 1/2W 1/10W	R316 R317 R318 R319 R320	1-216-085-00 1-216-073-00 1-216-041-00 1-249-413-11 1-216-174-00	METAL GLAZE METAL GLAZE METAL GLAZE CARBON	33K 10K 470 470 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/4W 1/8W	
R213 1-216-073-00 R214 1-216-049-00 R215 1-216-073-00) METAL GLAZE) METAL GLAZE	1 K	5% 5%	1/10W 1/10W 1/10W 1/10W	R321 R322	1-216-039-00 1-216-041-00	METAL GLAZE	390 470	5% 5%	1/10W 1/10W	

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REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R324 R325 R326 R328 R329	1-216-049-00 1-216-041-00 1-216-073-00 1-216-025-00 1-216-023-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 470 5% 10K 5% 100 5% 82 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R581 R582 R583 R584 R586	1-216-033-00 1-216-037-00 1-216-053-00 1-216-039-00 1-216-053-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 330 5% 1.5K 5% 390 5% 1.5K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R330 R331 R333 R334 R336	1-216-053-00 1-216-097-00 1-216-182-00 1-216-182-00 1-216-178-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 5% 100K 5% 220 5% 220 5% 150 5%	1/10W 1/10W 1/8W 1/8W 1/8W	R587 R588 R589 R590 R591 R592	1-216-045-00 1-216-101-00 1-216-073-00 1-216-049-00 1-216-073-00 1-216-232-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 5% 150K 5% 10K 5% 1K 5% 10K 5% 27K 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/8W
R337 R338 R339 R340 R341	1-216-041-00 1-216-037-00 1-216-025-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	330 5% 100 5% 100 5% 100 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R593 R594 R595 R596 R597	1-216-063-00 1-216-053-00 1-216-643-11 1-216-670-11 1-216-230-00	METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE	3.9K 5% 1.5K 5% 470 0.50%	1/10W 1/10W (1/10W (1/10W 1/8W
R342 R343 R344 R345 R346	1-216-033-00 1-216-022-00 1-216-022-00 1-216-171-00 1-216-022-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 75 5% 75 5% 75 5% 75 5% 75 5%	1/10W 1/10W 1/10W 1/8W 1/10W	R600 R616 R628 R681 R684	1-216-190-00 1-216-035-00 1-249-413-11 1-216-397-11 1-216-047-00	METAL GLAZE METAL GLAZE CARBON METAL OXIDE	470 5% 270 5% 470 5% 4.7 5% 820 5%	1/8W 1/10W 1/4W 3W F 1/10W
R347 R351 R352 R354 R355	1-216-083-00 1-216-073-00 1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 220 5% 220 5% 220 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R685	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R356 R357 R358 R359 R360	1-216-033-00 1-216-041-00 1-216-031-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 470 5% 180 5% 220 5% 220 5%	1/10W 1/10W 1/10W 1/10W 1/10W	TU101	(KV-	TUNER (UV916 X2560B,X2561A, TUNER (U9440	X2561B,X2561	D,X2561K,X2563E))
R361 R362 R365 R366 R376	1-216-033-00 1-216-077-00 1-216-073-00 1-216-067-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 15K 5% 10K 5% 5.6K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	X301 X302	1-567-504-11 1-567-505-11	YSTAL> OSCILLATOR, OSCILLATOR,	CRYSTAL	******
R377 R378 R379 R380 R381	1-216-051-00 1-216-057-00 1-216-206-00 1-216-057-00 1-216-164-00) METAL GLAZE) METAL GLAZE) METAL GLAZE	1.2K 5% 2.2K 5% 2.2K 5% 2.2K 5% 39 5%	1/10W 1/10W 1/8W 1/10W 1/18W			IF BLOCK (I	FH-389) ******	D,X2561K,X2563E)
R382 R383 R401 R402 R403	1-216-164-00 1-216-164-00 1-216-171-00 1-216-158-00 1-216-025-00) METAL GLAZE) METAL GLAZE) METAL GLAZE	39 5% 39 5% 75 5% 22 5% 100 5%	1/8W 1/8W 1/8W 1/8W 1/10W	C103 C104	1-163-121-00 1-164-222-1 1-164-232-1 1-164-232-1	I CERAMIC CHI 1 CERAMIC CHI	P 0.22MF P 0.01MF P 0.01MF	5% 50V 25V 10% 50V 10% 50V 10% 25V
R404 R405 R406 R407 R408	1-216-158-0 1-216-025-0 1-216-158-0 1-216-025-0 1-216-093-0	O METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE	100 5% 22 5% 100 5% 68K 5%	1/8W 1/10W 1/8W 1/10W 1/10W	C105 C106 C107 C108 C109	1-164-004-1 1-124-477-1 1-164-004-1 1-164-232-1 1-164-004-1	1 ELECT 1 CERAMIC CHI 1 CERAMIC CHI 1 CERAMIC CHI	47MF P 0.1MF P 0.1MF P 0.01MF	20% 16V 10% 25V 10% 25V 10% 50V 10% 25V
R410 R411 R412 R413 R414	1-216-022-0	O METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE	5.6K 5% 75 5% 75 5% 75 5%	1/10W 1/10W 1/10W	C112 C113 C114 C115 C116	1-163-101-0 1-124-477-1 1-164-232-1 1-164-346-1	O CERAMIC CHI I ELECT I CERAMIC CHI 1 CERAMIC CHI	P 22PF 47MF IP 0.01MF IP 1MF	5% 50V 20% 16V 10% 50V 16V 10% 25V
R416 R417 R419 R420 R424	1-216-067-0 1-216-113-0 1-216-067-0 1-216-025-0	O METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE	5.6K 5% 5.470K 5% 5.6K 5% 100 5%	1/10W 1/10W	C118 C119 C121 C122 C123 C124	1-163-369-1 1-163-235-1 1-163-239-1 1-163-235-1	1 CERAMIC CH 11 CERAMIC CH 11 CERAMIC CH 11 CERAMIC CH	IP 47PF IP 22PF IP 33PF IP 22PF	5% 50V 5% 50V 5% 50V 5% 50V 10% 25V
R425 R428 R574 R575	1-249-393-1 1-216-041-0	II CARBON O METAL GLAZE	10 5% 3 470 5%	1/10W 1/4W F 1/10W 1/10W	C130	1-216-295-0	O METAL GLAZ	E 0 5%	1/10W 5% 50V

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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK													
C133 C152 C153 C154 C155	1-124-477-11 1-164-337-11 1-164-337-11 1-164-337-11 1-164-232-11	ELECT 4 CERAMIC CHIP 2 CERAMIC CHIP 2 CERAMIC CHIP 2 CERAMIC CHIP 0	2.2MF 2.2MF	20% 10%	16V 16V 16V 16V 50V	Q170 Q171 Q172 Q173	8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S	C1623-L C1623-L	.5L6 .5L6															
C156 C161 C162 C163 C164 C165 C166	1-124-477-11 1-163-117-00 1-164-222-11 1-164-346-11 1-163-141-00 1-164-232-11 1-124-477-11	ELECT 4 CERAMIC CHIP 1 CERAMIC CHIP 0 CERAMIC CHIP 1 CERAMIC CHIP 0).22MF MF).001MF	5% 10%	16V 50V 25V 16V 50V 50V	JR2 JR3 JR4 JR7 JR8	<pre><res 1-216-295-00="" 1-216-295-00<="" 1-216-296-00="" pre=""></res></pre>	METAL GLAZE	0 0 0 0	5% 5% 5% 5%	1/10W 1/8W 1/10W 1/10W 1/10W														
C167 C168 C170	1-163-213-00 1-164-346-11 1-124-477-11		LMF 47MF		50 V 16 V 16 V	JR9 JR11 JR14 JR16 JR18	1-216-296-00 1-216-296-00 1-216-296-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	5% 5% 5% 5% 5%	1/8W 1/8W 1/8W 1/10W 1/10W														
C172 C173	1-124-477-11 1-124-477-11	ELECT 4			16V 16V	JR19 JR20 JR21 JR23 JR24	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W 1/8W														
CF2 CF3 CF4 SWF1	1-527-839-00 1-527-840-00 1-567-570-11 1-579-658-11	FILTER, CERAMI FILTER, CERAMI FILTER, CERAMI FILTER, SAWTOG	IC IC IC DTH WAVE			JR25 JR29 JR30 JR33 JR38	1-216-296-00 1-216-296-00 1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/10W 1/10W 1/8W														
CN1 CN2	<com< td=""><td>NECTOR> PIN, CONNECTOR PIN, CONNECTOR</td><td></td><td></td><td></td><td>JR39 JR40</td><td>1-216-296-00</td><td>METAL GLAZE METAL GLAZE</td><td>0 0 12K 10K 2.2K</td><td>5% 5% 5% 5%</td><td>1/8W 1/8W 1/10W 1/10W 1/10W</td><td></td></com<>	NECTOR> PIN, CONNECTOR PIN, CONNECTOR				JR39 JR40	1-216-296-00	METAL GLAZE METAL GLAZE	0 0 12K 10K 2.2K	5% 5% 5% 5%	1/8W 1/8W 1/10W 1/10W 1/10W														
CT1		MMER> TRAP, CERAMIC				R104 R106 R107 R108 R110	1-216-051-00 1-216-049-00 1-216-065-00 1-216-065-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W														
D161		DIODE MA152WK				R113 R114 R115 R116 R117	1-216-031-00 1-216-049-00 1-216-027-00 1-216-101-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180 1K 120 150K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W														
IC1 IC2 IC3	8-759-070-76 8-759-070-71 8-759-514-54					İ	1-216-117-00 1-216-240-00 1-216-075-00 1-216-053-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE			1/10W 1/8W 1/10W 1/10W 1/10W														
L101 L102 L103 L104 L121	1-408-421-00 1-408-419-00 1-408-419-00 1-408-408-00 1-408-413-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	100UH 68UH 68UH 8.2UH 22UH			R123 R124 R125 R127 R130	1-216-075-00 1-216-041-00 1-216-041-00 1-216-047-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 470 470 820 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W														
L122 L142 L151 L161	1-408-420-00 1-410-790-41 1-408-419-00 1-408-419-00	INDUCTOR Inductor	82UH 0.56UH 68UH 68UH			R131 R132 R133 R134 R135	1-216-025-00 1-216-069-00 1-216-061-00 1-216-049-00 1-216-198-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 6.8K 3.3K 1K 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/8W														
Q101 Q102 Q121 Q122 Q161	<tr 8-729-120-28="" 8-729-216-22="" 8-729-216-22<="" td=""><td>TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S</td><td>5A1162-G 5C1623-L5L6 5A1162-G</td><td></td><td></td><td>R150 R151 R152 R153 R154</td><td>1-216-043-00 1-216-043-00 1-216-043-00 1-216-025-00 1-216-049-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>560 560 560 100 1 K</td><td>5% 5% 5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>¦ R156</td><td>1-216-083-00</td><td>METAL GLAZE</td><td>27K</td><td>5%</td><td>1/10W</td><td></td></tr>	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	5A1162-G 5C1623-L5L6 5A1162-G			R150 R151 R152 R153 R154	1-216-043-00 1-216-043-00 1-216-043-00 1-216-025-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 560 560 100 1 K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W								¦ R156	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	5A1162-G 5C1623-L5L6 5A1162-G			R150 R151 R152 R153 R154	1-216-043-00 1-216-043-00 1-216-043-00 1-216-025-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 560 560 100 1 K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W																
						¦ R156	1-216-083-00	METAL GLAZE	27K	5%	1/10W														

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	PART NO.	DESCRIPTION]		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R157 R159 R160 R161 R162	1-216-051-00 1-216-107-00 1-216-049-00 1-218-755-11 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	1.2K 5% 270K 5% 1K 5% 130K 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		C26 C27 C28 C33 C34	1-164-232-11 1-164-232-11 1-124-477-11 1-124-907-11 1-124-907-11	ELECT 1		10% 10% 20% 20% 20%	50V 50V 16V 50V 50V
R163 R164 R165 R166 R167	1-216-113-00 1-216-113-00 1-216-081-00 1-216-049-00 1-216-073-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 5% 470K 5% 22K 5% 1K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C35 C36 C37 C38 C40 C71	1-124-925-11 1-124-477-11 1-164-232-11 1-163-017-00 1-164-232-11 1-124-477-11	ELECT 4 CERAMIC CHIP C CERAMIC CHIP C CERAMIC CHIP C	2.2MF 47MF 0.01MF 0.0047MF	20% 20% 10% 10% 10% 20%	50V 16V 50V 50V 50V 16V
R169 R170 R171 R172 R173	1-216-049-00 1-216-083-00 1-216-075-00 1-216-095-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 27K 5% 12K 5% 82K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C72 C80 C83 C84 C85	1-164-232-11 1-124-477-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT A	0.01MF 47MF 47MF 47MF 47MF	10% 20% 20% 20% 20%	50V 16V 16V 16V 16V
R174 R175 R176 R177	1-216-057-00 1-216-083-00 1-216-075-00 1-216-095-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 5% 82K 5%	1/10W 1/10W 1/10W 1/10W		C86 C87 C91 C95 C101	1-124-477-11 1-124-477-11 1-163-229-11 1-164-337-11 1-163-017-00		2.2MF	20% 20% 5% 10%	16V 16V 50V 16V 50V
R179 R180 R181	1-216-057-00 1-216-037-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE RIABLE RESISTOR	2.7K 5% 2.2K 5% 330 5% 330 5%	1/10W 1/10W 1/10W		C102 C104 C105 C106 C121	1-163-017-00 1-163-017-00 1-163-017-00 1-163-017-00 1-126-176-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.0047MF 0.0047MF	10% 10% 10% 10% 20%	50V 50V 50V 50V 10V
RV1		RES, ADJ, CAI				C122 C131	1-163-119-00 1-126-099-11	CERAMIC CHIP ELECT	120PF 2.2MF	5% 20%	50V 35V
m a		ANSFORMER>				1	< F []	LTER>		٠	
T4 T5 ****	1-416-017-21 1-416-018-21 ************************************	IF BLOCK (IF	H-389F) (KV			CF1 CF2 CF3 CF4 SWF1	1-527-839-00 1-567-569-11 1-527-840-00 1-567-570-11 1-579-662-11	FILTER, CERAM	IIC IIC IIC		
	۷٦>	**************************************	*****			SWF3 SWF4	1-404-711-11 1-579-660-11	SAWF FILTER, SAWTO	OTH WAVE		
C1 C2 C3 C4 C5	1-163-017-00 1-164-232-11 1-124-903-11 1-164-232-11 1-164-232-11	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.01MF 1MF 0.01MF	10% 10% 20% 10% 10%	50V 50V 50V 50V 50V	CN1 CN2	1-750-173-11	NNECTOR> PIN, CONNECTO PIN, CONNECTO	OR (PC BOAR OR (PC BOAR	D) 10P D) 10P	
C6 C7 C8 C9 C10	1-16 3 -017-00 1-16 4 -232-11 1-16 3 -017-00 1-12 4 -916-11 1-16 4 -232-11	CERAMIC CHIP CERAMIC CHIP ELECT	0.01MF 0.0047MF 22MF 0.01MF	10% 10% 10% 20% 10%	50V 50V 50V 25V 50V	CT1 CT2 CV1 CV2	1-404-801-11 1-409-429-11 1-141-245-00 1-141-245-00	TRAP, CERAMI TRAP, CERAMI TRAP, CERAMI CAP, TRIMMER CAP, TRIMMER	С		
C11 C13 C14 C15 C16	1-12 4 -477-1 1-12 4 -903-1 1-16 3 -061-0) CERAMIC CHIF I BLECT I BLECT	47MF 1MF 0.015MF	20% 10% 20% 20% 10%	16V 50V 16V 50V 50V	CV3	1-141-304-21 <d1 8-719-421-57 8-719-421-57</d1 	TRIMMER, CER ODE> DIODE MA73-T DIODE MA73-T	X X		
C18 C19 C20 C21 C22 C23	1-162-638-1 1-163-141-0 1-124-902-0 1-124-903-1 1-164-232-1 1-124-902-0	CERAMIC CHII CERAMIC CHII ELECT ELECT CERAMIC CHII CERAMIC CHII	P 1MF P 0.001MF 0.47MF 1MF P 0.01MF 0.47MF	5% 20% 20% 10% 20%	16V 50V 50V 50V 50V	D9 IC1 IC2	<10 8-759-070-7 8-759-070-7	5 IC M52312SP 1 IC TDA9820	X		
C24 C25	1-164-506-1 1-124-477-1	1 CERAMIC CHI	P 4.7MF 47MF	20%	16V 16V	103		2 IC PCF8574			

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REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
<001	L>		R43 R44 R45	1-216-067-00 1-216-027-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5% 120 5% 470 5%	1/10W 1/10W 1/10W
L1 1-408-419-00 L2 1-408-419-00 L3 1-408-407-00 L4 1-408-419-00 L5 1-408-419-00	INDUCTOR 68UH INDUCTOR 68UH INDUCTOR 6.8UH INDUCTOR 68UH INDUCTOR 68UH		R46 R47 R48 R49 R53	1-216-031-00 1-216-075-00 1-216-081-00 1-216-049-00 1-216-082-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180 5% 12K 5% 22K 5% 1K 5% 24K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
L7 1-408-406-00 L9 1-408-419-00 L71 1-408-419-00 L101 1-408-399-00 L121 1-408-407-00	INDUCTOR		R54 R55 R56 R57	1-216-043-00 1-216-043-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 5% 560 5% 4.7K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W
<tra< td=""><td>NSISTOR></td><td></td><td>R58 R59</td><td>1-216-041-00 1-216-043-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5%</td><td>1/10W 1/10W</td></tra<>	NSISTOR>		R58 R59	1-216-041-00 1-216-043-00	METAL GLAZE METAL GLAZE	560 5 %	1/10W 1/10W
Q1 8-729-907-06 Q4 8-729-120-28 Q5 8-729-115-10 Q6 8-729-900-52 Q7 8-729-216-22	TRANSISTOR BF199-AMMO TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SK105A-10 TRANSISTOR DTC114YK TRANSISTOR 2SA1162-G		R60 R61 R63 R71 R72	1-216-043-00 1-216-295-00 1-216-043-00 1-216-079-00 1-216-079-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 5% 0 5% 560 5% 18K 5% 18K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q8 8-729-120-28 Q10 8-729-120-28 Q11 8-729-120-28 Q12 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		R73 R74 R75 R76 R77	1-216-049-00 1-216-079-00 1-216-079-00 1-216-025-00 1-216-174-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 18K 5% 18K 5% 100 5% 100 5%	1/10W 1/10W 1/10W 1/10W 1/8W
Q13 8-729-120-28 Q14 8-729-120-28 Q15 8-729-120-28 Q16 8-729-216-22 Q101 8-729-104-80	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC3355 TRANSISTOR 2SC3355		R81 R82 R83 R84 R85	1-216-095-00 1-216-121-00 1-216-025-00 1-216-085-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	82K 5% 1M 5% 100 5% 33K 5% 33K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q121 8-729-120-28	TRANSISTOR 2SC1623-L5L6 SISTOR>		R86 R87 R88	1-216-689-11 1-216-095-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE	39K 5% 82K 5% 82K 5% 82K 5%	1/10W 1/10W 1/10W
	METAL GLAZE 0 5% 1/	/10W /8W	R89 R90	1-216-095-00 1-216-075-00	METAL GLAZE METAL GLAZE	82K 5% 12K 5%	1/10W 1/10W
JR5 1-216-296-00 R1 1-216-025-00 R2 1-216-065-00	METAL GLAZE 100 5% 1/ METAL GLAZE 4.7K 5% 1/	/8W /10W /10W	R91 R92 R93 R94	1-216-295-00 1-216-075-00 1-216-075-00 1-216-059-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 12K 5% 12K 5% 2.7K 5% 2.7K 5%	1/10W 1/10W 1/10W 1/10W
R3 1-216-065-00 R4 1-216-041-00 R5 1-216-021-00 R6 1-216-055-00 R8 1-216-051-00	METAL GLAZE 470 5% 1/ METAL GLAZE 68 5% 1/ METAL GLAZE 1.8K 5% 1/	/10W /10W /10W /10W /10W	R95 R96 R97 R98	1-216-059-00 1-216-057-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.7K 5% 2.2K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W
R9 1-216-069-00 R10 1-216-071-00	METAL GLAZE 8.2K 5% 1/	/10W /10W	R99 R100	1-216-057-00 1-216-065-00	METAL GLAZE	2.2K 5% 4.7K 5%	1/10W 1/10W
R11 1-216-059-00 R24 1-216-280-00 R25 1-216-057-00 R26 1-216-061-00	METAL GLAZE 2.7M 5% 1/ METAL GLAZE 2.2K 5% 1/	/10W /8W /10W /10W	R102 R103 R104 R105 R121	1-216-065-00 1-216-063-00 1-216-049-00 1-216-033-00 1-216-073-00		4.7K 5% 3.9K 5% 1K 5% 220 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R26 1-216-061-00 R27 1-216-266-00 R28 1-216-075-00 R29 1-216-035-00 R30 1-216-049-00	METAL GLAZE 680K 5% 1/ METAL GLAZE 12K 5% 1/ METAL GLAZE 270 5% 1/	/8W /10W /10W /10W	R122 R123 R124 R125	1-216-065-00 1-216-041-00 1-216-041-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 470 5% 470 5% 470 5%	1/LOW 1/LOW 1/LOW 1/LOW
R31 1-216-017-00 R32 1-216-043-00 R33 1-216-037-00	METAL GLAZE 47 5% 1/ METAL GLAZE 560 5% 1/	/10W /10W /10W	R301	1-216-049-00	METAL GLAZE	1K 5%	1/1 0W 1/L 0W
R34 1-216-252-00 R35 1-216-035-00	METAL GLAZE 180K 5% 1/ METAL GLAZE 270 5% 1/	/10W /8W /10W	R302 R303 R304 R305	1-216-049-00 1-216-037-00 1-216-049-00	METAL GLAZE	1K 5% 1K 5% 330 5% 1K 5%	1/L OW 1/L OW 1/L OW
R36 1-216-029-00 R37 1-216-049-00 R38 1-216-099-00 R39 1-216-089-00	METAL GLAZE 1K 5½ 1, METAL GLAZE 12OK 5½ 1,	/10W /10W /10W /10W	R306 R307 R308	1-216-025-00 1-216-037-00	METAL GLAZE	100 5% 330 5% 330 5%	1/L 0W 1/L 0W
R40 1-216-049-00	METAL GLAZE 1K 5% 1,	/10W /10W /10W	8000	1-216-037-00	METAL GLAZE	220 2k	1/L OW
R42 1-216-061-00	noine adnoce 3.38 36 1/	/ 10#	ŧ				

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REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	<vari< td=""><td>ABLE RESISTOR></td><td></td><td></td><td></td><td><trim< td=""><td>IMER></td><td></td><td></td><td></td></trim<></td></vari<>	ABLE RESISTOR>				<trim< td=""><td>IMER></td><td></td><td></td><td></td></trim<>	IMER>			
RV2	1-241-120-11	RES, ADJ, CARBON 2.2K			CT1	1-409-333-00	TRAP, CERAMIC	(6.0MHZ)	
	<tran< td=""><td>SFORMER></td><td></td><td></td><td>! ! !</td><td>1010></td><td>E></td><td></td><td></td><td></td></tran<>	SFORMER>			! ! !	1010>	E>			
T1 T3	1-404-806-21 1-416-012-11	COIL COIL			D161	8-719-400-18	DIODE MA152WK			
†4 †5	1-416-012-11	COIL COIL				<1C>				
	<crys< td=""><td>STAL></td><td></td><td></td><td>IC1 IC3</td><td>8-759-070-76 8-759-514-54</td><td>IC M52308SP IC BA7046</td><td></td><td></td><td></td></crys<>	STAL>			IC1 IC3	8-759-070-76 8-759-514-54	IC M52308SP IC BA7046			
X 1		VIBRATOR, CERAMIC				<c01< td=""><td>L></td><td></td><td></td><td></td></c01<>	L>			
*****		**************		*******	L101	1-408-414-00	INDUCTOR	27UH		
		IF BLOCK (IFH-395) (KV-X	2562U)		L102 L103 L104 L105	1-408-419-00 1-408-419-00 1-408-406-00 1-408-410-00	INDUCTOR INDUCTOR	68UH 68UH 5.6UH 12UH		
C101		ACITOR>	5 %	50V	L142 L161	1-410-790-41 1-408-419-00	INDUCTOR INDUCTOR	0.56UH 68UH	H	
C102 C103	1-164-232-11	CERAMIC CHIP 33PF CERAMIC CHIP 0.22MF CERAMIC CHIP 0.01MF	10%	25 V 50 V			NSISTOR>		•	
C104 C105	1-164-232-11 1-164-004-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF	10% 10%	50V 25V	Q101		TRANSISTOR 2S	C1623-L	5L6	
C106 C107 C108	1-164-004-11	ELECT 47MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF	20% 10% 10% 10%	16V 25V 25V 50V	0102 0122 0161 0172	8-729-216-22 8-729-216-22 8-729-216-22 8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	A1162-G A1162-G A1162-G		
C109 C112	1-164-232-11	CERAMIC CHIP 0.1MF	10%	25V	Q173		TRANSISTOR 2S			
C113 C114	1-163-101-00 1-124-477-11		5% 20% 10%	50V 16V 50V		<res< td=""><td>SISTOR></td><td></td><td></td><td></td></res<>	SISTOR>			
C115 C116 C118	1-164-232-11 1-164-346-11 1-164-004-11		10%	16V 25V	JR1	1-216-296-00	METAL GLAZE	0	5%	1/8W 1/10W
C119	1-163-369-11		5% 5%	50V 50V	JR2 JR3 JR4	1-216-295-00 1-216-296-00 1-216-295-00	METAL GLAZE	0 0 0	5% 5% 5% 5%	1/8W 1/8W 1/10W
C122 C130 C131	1-163-093-00 1-216-295-00 1-163-224-11	METAL GLAZE 0 5% CERAMIC CHIP 7PF	1/10W 0.25PF) 50V	JR7	1-216-295-00	METAL GLAZE	0	5%	1/10W 1/10W
C133 C161	1-124-477-11	ELECT 47MF CERAMIC CHIP 100PF	20 % 5 %	16V 50V	JR8 JR9 JR10	1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5%	1/8W 1/8W 1/8W
C162 C163	1-164-222-11 1-164-346-11	CERAMIC CHIP 0.22MF CERAMIC CHIP 1MF		25V 16V	JR11 JR12	1-216-296-00 1-216-295-00	METAL GLAZE	0 0	5% 5%	1/8W 1/10W
C164 C165	1-163-141-00 1-164-232-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF	5% 10%	50 V 50 V	JR13 JR14	1-163-093-00 1-216-296-00		10PF 0	5%	5% 50V 1/8W
C166 C167	1-124-477-11 1-163-213-00	CERAMIC CHIP 0.0022MF	20% 5%	16V 50V	JR16 JR18	1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0	5% 5% 5%	1/10W 1/10W 1/8W
C168 C170 C171	1-164-346-11 1-124-477-11 1-124-477-11	ELECT 47MF	20% 20%	16V 16V 16V	JR19 JR20	1-216-296-00 1-216-296-00		0		1/8W
CITI			20%	10.	JR21 JR23	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 5% 5% 5%	1/8W 1/8W
CD1		LTER> DISCRIMINATOR, CERAMIC			JR24 JR25			0 0	5% 5%	1/8W 1/8W
CD1 CF1 SWF1	1-567-569-11	FILTER, CERAMIC FILTER, SAWTOOTH WAVE			JR29 JR30	1-216-295-00) METAL GLAZE	0	5% 5%	1/8W 1/10W
	<.c	ONNECTOR>			JR33 JR38 JR39	1-216-296-00) METAL GLAZE	0 0 0	5% 5% 5% 5% 5%	1/10W 1/8W 1/8W
CNI	1-750-173-11	PIN. CONNECTOR (PC BOA)	RD) 10P		JR40	1-216-296-00) METAL GLAZE	0	5%	1/8W
CN2	1-750-173-11	PIÑ, CONNECTOR (PC BOAI	KD) 10P		JR41 JR42 JR10 R101	1-216-295-00 1 1-216-295-00) METAL GLAZE) METAL GLAZE	0 0 0 12K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
					 R102	1-216-045-0	O METAL GLAZE	680	5%	1/10W



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	REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	R103 R104 R105 R106 R107	1-216-043-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 1.2K 560 1K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C011 C012 C014 C016 C018	1-163-117-00 1-163-117-00 1-163-117-00 1-163-141-00 1-164-505-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF 100PF 0.001MF	5% 5%	50V 50V 50V 50V 16V
	R108 R110 R112 R113 R114	1-216-041-00 1-216-045-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 470 680 180 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C019 C032 C035 C036 C037	1-124-477-11 1-163-117-00 1-163-037-11 1-164-005-11 1-163-117-00	ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022MF 0.47MF	10%	16V 50V 25V 25V 50V
	R115 R116 R117 R118 R119		METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180 150K 100K 680K 56K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/8W		C501 C502 C503 C504 C505	1-163-020-00 1-164-232-11 1-104-825-91 1-130-831-21 1-124-925-11	CERAMIC CHIP CERAMIC CHIP FILM MYLAR ELECT	0.0082MF 0.01MF 0.0047MF 0.56MF 2.2MF	10% 10% 5% 10% 20%	50V 50V 50V 63V 50V
	R120 R121 R122 R123 R130	1-216-075-00 1-216-053-00 1-216-061-00 1-216-061-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 1.5K 3.3K 3.3K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C506 C507 C508 C509 C510	1-162-568-11 1-164-489-11 1-164-232-11 1-164-161-11 1-124-925-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.22MF 0.01MF	10% 10% 10% 10% 20%	16V 16V 50V 50V 50V
	R131 R132 R133 R134 R135	1-216-025-00 1-216-069-00 1-216-061-00 1-216-049-00 1-216-198-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 6.8K 3.3K 1K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/8W		C511 C512 C514 C519 C522	1-106-375-12 1-126-103-11 1-163-105-00 1-164-161-11 1-163-141-00	MYLAR ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	33PF 0.0022MF	10% 20% 5% 10% 5%	250V 16V 50V 50V 50V
	R153 R159 R160 R161 R162	1-216-025-00 1-216-107-00 1-216-049-00 1-218-755-11 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	100 270K 1K 130K 10K	5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C523 C531 C532 C538 C541	1-163-141-00 1-164-493-11 1-164-489-11 1-164-489-11 1-164-232-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.047MF 0.22MF 0.22MF	5% 10% 10% 10% 10%	50V 50V 16V 16V 50V
	R163 R164 R165 R166 R167	1-216-113-00 1-216-113-00 1-216-081-00 1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 470K 22K 1K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C542 C543 C544 C546 C547	1-163-037-11 1-164-161-11 1-164-161-11 1-164-004-11 1-163-020-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0022MF 0.0022MF 0.1MF	10% 10% 10% 10% 10%	25V 50V 50V 25V 50V
	R168 R169 R175 R176 R177	1-216-113-00 1-216-049-00 1-216-083-00 1-216-075-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1 K 27 K 12 K 82 K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C549 C550 C552 C559 C560	1-163-989-11 1-163-141-00 1-163-037-11 1-164-004-11 1-164-161-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.001MF 0.022MF 0.1MF	10% 5% 10% 10% 10%	25V 50V 25V 25V 50V
	R178 R179 R181		METAL GLAZE METAL GLAZE METAL GLAZE RIABLE RESISTO		5%	1/10W 1/10W 1/10W		C562 C563 C564 C565 C566	1-216-295-00 1-163-031-11 1-163-031-11 1-163-031-11 1-163-031-11	METAL GLAZE CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF 0.01MF	1/ 1 0W	50V 50V 50V 50V
,	RV1	1-241-121-11	RES, ADJ, CA	RBON 4.	. 7K			C567 C568 C569	1-163-009-11 1-163-009-11 1-164-161-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.001MF	10% 10% 10%	50V 50V 50V
	m.,		ANSFORMER>					C570	1-162-568-11			107	16V
	T4 T5	1-416-017-21 1-416-018-21							< []	TER>			
	*****	************** *A-1635-007-A	**************************************	PLETE	*****	*****	*******	CD001	1-577-364-11	VIBRATOR, CE	CRAMIC		
		<ca< td=""><td>PACITOR></td><td></td><td></td><td></td><td></td><td>CN140</td><td>6*1-568-880-51</td><td>PIN, CONNECT</td><td></td><td></td><td></td></ca<>	PACITOR>					CN140	6*1-568-880-51	PIN, CONNECT			
	C001 C003 C007 C008 C010	1-163-117-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF 100PF 100PF		5% 5% 5% 5%	50V 50V 50V 50V 50V	CN141 CN142 CN143	3 1-695-301-11 6*1-568-881-51 2*1-568-882-51 1*1-564-511-31	CONNECTOR, E PIN, CONNECT PIN, CONNECT	BOARD TO BOA FOR 6P FOR 7P	RD 4(1P	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
0001 0501	8-719-800-76	DE> DIODE MA3039H-TX DIODE 1SS226		R034 R035 R038	1-216-057-00 1-216-057-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5%	1/10W 1/10W 1/10W
D503 D504 D510	8-719-401-31 8-719-400-18 8-719-105-91	DIODE MA3047L-TX DIODE MA152WK DIODE RD5.6M-B2		R049 R050 R051 R052	1-216-049-00 1-216-073-00 1-216-081-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 22K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W
I C001	<1C> .8-759-072-93 *1-540-123-11 8-759-173-65	IC SDA30C162 SOCKET, IC 68P; IC001 IC TMS27PC512-15NLAE201		R055 R067 R068	1-216-065-00 1-216-081-00 1-216-081-00 1-216-043-00 1-216-043-00	METAL GLAZE METAL GLAZE	4.7K 5% 22K 5% 22K 5% 560 5% 560 5%	1/10W 1/10W 1/10W 1/10W 1/10W
1C561 1C562	8-752-347-92 8-759-998-98	IC CXDZ018Q IC LM358D IC MC78L05ACPRP		R069 R070 R501 R502 R503	1-216-037-00 1-216-037-00 1-216-047-00 1-216-097-00 1-216-067-00	METAL GLAZE Metal Glaze	330 5% 330 5% 820 5% 100K 5% 5.6K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
L001 L501 L561	<01 1-408-421-00 1-410-119-11 1-408-409-00	L> INDUCTOR 100UH INDUCTOR 1MMH INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 2.2MMH		R504 R505 R506 R507 R509	1-216-063-00 1-216-075-00 1-216-049-00 1-216-097-00 1-216-039-00	METAL GLAZE METAL GLAZE	3.9K 5% 12K 5% 1K 5% 100K 5% 390 5%	1/10W 1/10W 1/10W 1/10W 1/10W
L562 L563				R510 R511 R512 R513 R514	1-216-073-00 1-216-097-00 1-216-049-00 1-216-230-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 100K 5% 1K 5% 22K 5% 3.3K 5%	1/10W 1/10W 1/10W 1/8W 1/10W
Q002 Q003 Q501 Q502 Q503	8-729-216-22 8-729-901-81 8-729-901-01 8-729-901-81 8-729-901-01	TRANSISTOR 2SC2412K-T-146-R		! R515	1-216-049-00 1-216-039-00 1-216-039-00 1-216-075-00 1-216-033-00	METAL GLAZE Metal Glaze	1K 5% 390 5% 390 5% 12K 5% 220 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q508 Q509 Q564 Q565 Q566	8-729-901-01 8-729-901-81 8-729-216-22 8-729-901-81 8-729-901-81	TRANSISTOR DTC144EK TRANSISTOR 2SC2412K-T-146-R TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R TRANSISTOR DTC144EK		R520 R521 R522 R523 R524	1-216-093-00 1-216-053-00 1-216-085-00 1-216-065-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE	68K 5% 1.5K 5% 33K 5% 4.7K 5% 3.9K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q567		TRANSISTOR DTC144EK		R525 R526	1-216-093-00	METAL GLAZE METAL GLAZE	68K 5%	1/10W 1/10W
JR540 R001		SISTOR> METAL GLAZE 0 5% 1/100 METAL GLAZE 100 5% 1/100	L L	R527 R528 R529	1-216-689-11 1-216-049-00 1-216-696-11	METAL GLAZE METAL GLAZE METAL CHIP	39K 5% 1K 5% 75K 0.50%	1/10W 1/10W (1/10W
R002 R003 R006	1-216-025-00 1-216-049-00 1-216-049-00 1-216-073-00	METAL GLAZE 100 5% 1/100 METAL GLAZE 1K 5% 1/100 METAL GLAZE 1K 5% 1/100 METAL GLAZE 1K 5% 1/100	M M	R531 R532 R533 R535 R536	1-216-085-00 1-216-671-11 1-216-105-00 1-216-057-00 1-216-057-00	METAL CHIP METAL GLAZE METAL GLAZE	33K 5% 6.8K 0.50% 220K 5% 2.2K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R008 R010 R011 R012	1-216-049-00 1-216-049-00 1-216-049-00 1-216-049-00	METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10	พ พ พ พ	R538 R539 R541 R542	1-216-025-00 1-216-657-11 1-216-049-00 1-216-025-00	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	100 5% 1.8K 0.50% 1K 5% 100 5%	1/10W % 1/10W 1/10W 1/10W
R014 R015 R016 R017 R018	1-216-049-00 1-216-296-00 1-216-045-00 1-216-049-00 1-216-041-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 680 5% 1/10 METAL GLAZE 1K 5% 1/10	W W	R544 R545 R546 R547 R551	1-216-085-00 1-216-033-00 1-216-061-00 1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33K 5% 220 5% 3.3K 5% 1K 5% 1K 5% 100K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R020 R021 R025 R026 R028	1-216-049-00 1-216-065-00 1-216-049-00 1-216-049-00 1-216-075-00	METAL GLAZE 4.7K 5% 1/10 METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10	₩ ₩ ₩	R552 R553 R559 R560	1-216-097-00 1-216-085-00 1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33K 5% 1K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W
R030 R032 R033	1-216-049-00 1-216-049-00 1-216-049-00) METAL GLAZE 1K 5% 1/10	W	R564 R565 R566	1-216-091-00 1-216-065-00 1-216-073-00) METAL GLAZE	56K 5% 4.7K 5% 10K 5%	1/10W 1/10W 1/10W

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R567 1-216-085-00 METAL GLAZE 33K 5% 1/10W R568 1-216-109-00 METAL GLAZE 330K 5% 1/10W R570 1-216-049-00 METAL GLAZE 1K 5% 1/10W R570 1-216-049-00 METAL GLAZE 1K 5% 1/10W R570 1-241-766-11 RES, ADJ, CERMET 47K RV506 1-241-766-11 RES, ADJ, CERMET 47K ***********************************	
Q707 8-729-200-17 TRANSISTOR 2SA1091-0 Q708 8-729-200-17 TRANSISTOR 2SA1091-0 Q708 8-729-200-17 TRANSISTOR 2SA1091-0 Q709 8-729-200-17 TRANSISTOR 2SA1091-0 Q709 8-729-200-17 TRANSISTOR 2SA1091-0 Q710 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R Q711 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R Q712 8-729-901-81 TRANSISTOR 2SC2412K-T-146-R Q713 8-729-216-22 TRANSISTOR 2SC2412K-T-146-R Q713 8-729-216-22 TRANSISTOR 2SC2551-0 Q714 8-729-255-12 TRANSISTOR 2SC2551-0 Q714 RANSISTOR 2SC2551-0 Q714 RANSISTOR 2SC2551-0 Q715 Q716 Q717 Q718 Q719	
RV506 1-241-766-11 RES, ADJ, CERMET 47K ***********************************	

*A-1638-027-A C BOARD, COMPLETE	
<capacitor></capacitor>	
C701 1-162-114-00 CERAMIC 0.0047MF 2KV JR701 1-216-296-00 METAL GLAZE 0 5% 1/8W C703 1-123-946-00 BLECT 4.7MF 20% 250V R701 1-202-848-00 SOLID 680K 10% 10% 10% 10% C704 1-130-202-00 FILM 0.022MF 5% 400V R702 1-202-838-00 SOLID 100K 20% 1/2W C705 1-162-116-00 CERAMIC 680PF 10% 2KV R703 1-202-838-00 SOLID 100K 20% 1/2W C708 1-163-197-00 CERAMIC CHIP 470PF 10% 50V	
C709 1-163-005-11 CERAMIC CHIP 470PF 10% 50V R705 1-216-398-11 METAL OXIDE 5.6 5% 3W C710 1-163-005-11 CERAMIC CHIP 470PF 10% 50V R706 1-216-398-11 METAL OXIDE 5.6 5% 3W C711 1-101-880-00 CERAMIC CHIP 470PF 5% 50V R710 1-215-899-11 METAL OXIDE 5.6 5% 3W C712 1-163-121-00 CERAMIC CHIP 150PF 5% 50V R710 1-215-899-11 METAL OXIDE 15K 5% 2W C713 1-163-121-00 CERAMIC CHIP 150PF 5% 50V R711 1-202-820-11 SOLID 1.5K 20% 1/2W C713 1-163-121-00 CERAMIC CHIP 150PF 5% 50V	7 7 7
R712 1-215-899-11 METAL OXIDE 15K 5% 2W R714 1-163-121-00 CERAMIC CHIP 150PF 5% 50V R713 1-202-820-11 SOLID 1.5K 20% 1/2W R716 1-24-122-11 ELECT 100MF 20% 50V R714 1-215-899-11 METAL OXIDE 15K 5% 20% 1/2W R715 1-202-820-11 SOLID 1.5K 20% 1/2W R715 1-202-820-11 SOLID 1.5K 20% 1/2W R716 1-247-700-11 CARBON 100 5% 1/4W	F F F
<pre></pre>	F F
CNO403*1-564-511-11 PLUG, CONNECTOR 8P R720 1-249-417-11 CARBON 1K 5% 1/4W CNO421*1-508-768-00 PIN, CONNECTOR (5MM PITCH) 6P R722 1-247-713-11 CARBON 1K 5% 1/4W R724 1-249-417-11 CARBON 1K 5% 1/4W	F F
<pre><diode></diode></pre> R725 1-216-067-00 METAL GLAZE 5.6K 5% 1/10W	1
D701 8-719-911-19 D10DE 1SS119 R726 Î-216-067-00 METAL GLAZE 5.6K 5% 1/Î0W D702 8-719-911-19 D10DE 1SS119 R727 1-216-067-00 METAL GLAZE 5.6K 5% 1/10W D703 8-719-911-19 D10DE 1SS119 R728 1-216-039-00 METAL GLAZE 390 5% 1/10W D703 8-719-911-19 D10DE 1SS119 R729 1-216-039-00 METAL GLAZE 390 5% 1/10W	
D704 8-719-911-19 DIODE ISS119 D705 8-719-911-19 DIODE ISS119 R730 1-216-039-00 METAL GLAZE 390 5% 1/10W R731 1-216-017-00 METAL GLAZE 47 5% 1/10W	
D706 8-719-911-19 D10DE ISS119 R732 1-216-017-00 METAL GLAZE 47 5% 1/10W D707 8-719-911-19 D10DE ISS119 R733 1-216-017-00 METAL GLAZE 47 5% 1/10W D708 8-719-911-19 D10DE ISS119 R734 1-202-549-00 SOLID 100 20% 1/2W D709 8-719-911-19 D10DE ISS119	
D710 8-719-911-19 D10DE 1SS119 R735 1-216-049-00 METAL GLAZE 1K 5% 1/10W R738 1-216-025-00 METAL GLAZE 100 5% 1/10W	
D713 8-719-908-03 DIODE GPO8D R739 1-216-025-00 METAL GLAZE 100 5% 1/10W R740 1-216-025-00 METAL GLAZE 100 5% 1/10W R741 1-216-089-00 METAL GLAZE 47K 5% 1/10W	
SJACK> R742 1-216-295-00 METAL GLAZE 0 5% 1/10W R743 1-216-295-00 METAL GLAZE 0 5% 1/10W	
R742 1-216-295-00 METAL GLAZE 0 5% 1/10W R743 1-249-434-11 CARBON 27K 5% 1/4W R747 1-216-488-11 METAL OXIDE 18K 5% 3W R749 1-215-926-00 METAL OXIDE 33K 5% 3W R751 1-216-489-11 METAL OXIDE 27K 5% 3W	F
	F
L701 1-410-667-31 INDUCTOR 22UH	
<pre><transistor></transistor></pre>	
Q701 8-729-906-70 TRANSISTOR BF871 Q702 8-729-906-70 TRANSISTOR BF871 Q703 8-729-906-70 TRANSISTOR BF871 Q704 8-729-906-70 TRANSISTOR BF871	



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REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PAR	T NO.	DESCRIPTION			REMARK
RV701 1-230-641-11 RV702 1-241-656-21	ABLE RESISTOR> RES, ADJ, METAL GLAZE 2.2M RES, ADJ, METAL FILM 110M		C834 1-1 C835 1-1 C836 1-1 C837 1-1 C838 1-1	37-513-11 24-480-11 02-228-00 29-702-00	FILM (ELBCT CERAMIC 4 FILM (0.62MF 470MF 470PF 0.001MF 0.082MF	5% 20% 10% 10% 10%	200V 25V 500V 400V 250V
*A-1642-075-A	D BOARD, COMPLETE		C839 1-1 C840 1-1 C841 1-1 C842 1-1	02-228-00 04-722-91	ELECT CERAMIC FILM	47MF 470MF 470PF 0.068MF 33MF	20% 20% 10% 10%	250V 25V 500V 250V 160V
4-200-001-01 4-201-023-01 *4-368-683-01 *4-389-343-01	SPACER, INSULATING SPRING		C851 1-1 C852 1-1 C853 1-1	36-559-11 64-299-11 24-910-11	MYLAR CERAMIC CHIP	0.0047MF 0.22MF 47MF	10% 10% 20%	400V 25V 50V
<cap< td=""><td>ACITOR></td><td></td><td>(857 1-1</td><td>24-902-00</td><td></td><td>U.4/Mr</td><td>20%</td><td>50V</td></cap<>	ACITOR>		(857 1-1	24-902-00		U.4/Mr	20%	50 V
C605 1-124-910-11 C608 1-124-903-11	CERAMIC 0.0022MF 20)% 400V)% 50V)% 50V	C863 1-1 C866 1-1 C868 1-1	30-777-00 06-383-00 129-702-00 137-371-11 136-165-00	MYLAR FILM FILM	0.1MF 0.047MF 0.001MF 0.015MF 0.1MF	5% 10% 10% 5% 5%	63V 100V 400V 50V 50V
C612 1-137-437-11 C613 1-129-722-00 C614 1-102-030-00 C615 1-126-943-11 C616 1-102-030-00	FILM 0.0056MF 5% FILM 0.047MF 10 CERAMIC 330PF 10 ELECT 2200MF 20 CERAMIC 330PF 10	0% 630V 0% 500V 0% 25V	C871 1-1 C872 1-1 C873 1-1	137-364-11 130-651-00 124-907-11 137-364-11 102-038-00	FILM ELECT FILM	0.001MF 0.001MF 10MF 0.001MF 0.001MF	5% 2% 20% 5%	50V 100V 50V 50V 500V
C617 1-162-116-00 C618 1-162-134-11 C619 1-102-030-00 C620 1-164-299-11 C621 1-124-347-00	CERAMIC 680PF 10 CERAMIC 470PF 10 CERAMIC 330PF 10 CERAMIC CHIP 0.22MF 10 ELECT 100MF 20	0% 2KV 0% 500V 0% 25V	C878 1-1 C879 1-1 C1501 1-1	164-232-11	CERAMIC CHIP	470PF	20% 10% 10% 5% 20%	50 V 50 V 50 OV 50 V 50 V
C622 1-128-320-11 C623 1-102-030-00 C624 1-126-800-51 C625 1-126-800-51 C627 1-137-365-11	CERAMIC 330PF 10 ELECT 2200MF 20 ELECT 2200MF 20	0% 16V 0% 500V 0% 35V 0% 35V % 50V	C1504 1-1 C1505 1-1 C1506 1-1	163-133-00 124-480-11 124-911-11 136-202-11 106-228-00	FILM	470PF 470MF 220MF 0.33MF 0.22MF	5% 20% 20% 5% 10%	50 V 25 V 50 V 63 V 100 V
C628	BLECT	0% 50V 0% 50V 0% 25V % 50V 0% 25V	C1509 1- C1511 1- C1512 1-	124-480-11 124-767-00 124-907-11 124-006-11 164-004-11	ELECT ELECT ELECT	470MF 2.2MF 10MF 10MF 0.1MF	20% 20% 20% 20% 10%	25 V 50 V 50 V 25 V 25 V
C636 1-130-777-00 C640 1-124-916-11 C801 1-137-116-11 C803 1-164-695-11 C804 1-106-383-00	ELECT 22MF 2 FILM 1MF 5 CERAMIC CHIP 0.0022MF 5	% 63V 0% 50V % 200V % 50V 0% 100V	C1515 1-		CERAMIC CHIP		10%	25 V
C805	ELECT 0.47MF 2 ELECT 10MF 2 CERAMIC 0.0047MF ELECT 10MF 2	50V 50V 2KV 20X 200V 0X 50V	CN0009 1- CN0504*1- CN0505*1-	508-786-00 568-878-51 568-882-51 568-880-51 568-880-51	PIN, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT	OR 3P OR 7P OR 5P OR 5P	CH) 2P	
C812 1-162-318-11 C813 1-108-704-11 C815 1-162-117-00 C819 1-126-103-11 C821 A 1-137-514-11	CERAMIC 0.001MF 1 MYLAR 0.1MF 1 CERAMIC 100PF 1 ELECT 470MF 2	0% 500V 10% 200V 10% 500V 20% 16V 2% 2KV	CN0521*1- CN0524*1- CN0525*1- CN0526*1-	-568-878-51 -508-765-00 -568-878-51 -695-294-11 -568-881-51	PIN, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT	OR (5MM PIT OR 3P OR (PC BOAR		
C822 A 1-162-116-91 C823	CERÂMIC 680PF 1 BLECT 0.47MF 2 FILM 0.0047MF 5 CERAMIC 680PF 1		CN0529*1- CN5521*1-	-508-784-00 -568-878-51 -580-798-11 <dic< td=""><td>PIN, CONNECT PIN, CONNECT CONNECTOR PI DDE></td><td>OR 3P</td><td>CH) 1P</td><td></td></dic<>	PIN, CONNECT PIN, CONNECT CONNECTOR PI DDE>	OR 3P	CH) 1P	
C827	MYLAR	10% 100V 10% 400V 20% 160V 20% 50V 5% 200V	D606 8- D608 8-	-719-300-33 -719-300-33 -719-300-33 -806-660-11	DIODE RU-3AM DIODE RU-3AM DIODE RU-3AM DIODE ESAB85	(

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REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
D613 8-719-920-68 D614 8-719-920-68	DIODE D5L60 DIODE D10SC6M DIODE ESAB92-02 DIODE ESAB92-02 DIODE RD12ES-B2		L1501 L1502 L1503		INDUCTOR INDUCTOR INDUCTOR	33UH 10UH 33UH	
D620 8-719-911-19 D624 8-719-312-40 D801 8-719-018-82	DIODE MA152WK DIODE 1SS119 DIODE R2K DIODE RGP02-20EL-6394 DIODE RU-3AM		PS6014 PS6024 PS6034 PS6044		LINK, IC 2.7A LINK, IC 2.7A LINK, IC 2.7A LINK, IC 2.7A		
D808 8-719-109-88 D809 8-719-110-03 D812 8-719-908-03	DIODE MA152WK DIODE RD5.6ES-B1 DIODE RD7.5ES-B2 DIODE GP08D DIODE GP08D		Q601 Q602 Q603	8-729-016-14	NSISTOR> TRANSISTOR BUTRANSISTOR 2STRANSISTOR DT	JZ91A-E3155 5B772-Q	
DOIE 0 710 300 33	DIODE DU 21M		Q612 Q613 Q801	8-729-119-78 8-729-903-29 8-729-216-22 8-729-016-32	TRANSISTOR 2S TRANSISTOR DT TRANSISTOR 2S TRANSISTOR 2S	SC2785-HFE FA144TK SA1162-G SC4927-01	
D822 8-719-982-20 D824 8-719-976-64 D825 8-719-400-18 D826 8-719-400-18 D827 8-719-982-96	DIODE RO-JAM DIODE EGP20G DIODE RD6.2ES-B2 DIODE MA152WK DIODE MTZJ-30B DIODE RGP02-17 DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE GP08D		Q802 Q804 Q805 Q806 Q807	8-729-140-97 8-729-216-22 8-729-216-22 8-729-019-71 8-729-119-80	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	5A1162-G 5A1162-G 5K1916-53-F50	
D828 8-719-911-19 D830 8-719-400-18 D831 8-719-400-18 D832 8-719-400-18	DIODE 1SS119 DIODE MA152WK DIODE MA152WK DIODE MA152WK		Q812 Q813 Q818 Q1501	8-729-901-81 8-729-140-96 8-729-216-22 8-729-901-81	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	SC2412K-T-146 SD774-34 SA1162-G SC2412K-T-146	
D833 8-719-400-18 D1501 8-719-400-18 D1503 8-719-908-03 D1504 8-719-982-03	DIODE MA152WK DIODE MA152WK DIODE GPO8D DIODE MTZJ-3.6A		Q1503	8-729-216-22 8-729-901-01	TRANSISTOR DT TRANSISTOR 25 TRANSISTOR DT	SA1162-G	
. <1C>			JR001	1-216-295-00	METAL GLAZE	0 5% 0 5%	1/10W
1C601 8-759-073-29 1C602 8-759-908-15 1C603 8-749-923-44 1C801 8-759-987-16 1C802 8-759-987-16	IC TL431CLP IC SFH617G-1 IC LM393P		i	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W
IC803 8-759-081-31			JR500 JR501	1-216-295-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/8W 1/8W 1/8W 1/8W
<001	L>		JR504 JR505 JR506	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W
L602 1-410-397-21 L603 1-410-396-41 L604 1-410-396-41 L605 1-459-442-00 L606 1-459-442-00	FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR COIL (WITH CORE) COIL (WITH CORE)		JR507 JR508 JR509 JR510	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W
L610 1-410-397-21 L622 1-412-533-21 L623 1-412-533-21 L803 1-420-872-00	FERRITE BEAD INDUCTOR INDUCTOR 47UH INDUCTOR 47UH COIL, AIR CORE		JR511 R601 R602 R603	1-216-296-00 1-216-360-11 1-216-065-00 1-215-901-00	METAL GLAZE METAL OXIDE METAL GLAZE METAL OXIDE	0 5% 8.2 5% 4.7K 5%	1/8W 1W F 1/10W
L804 1-410-396-41 L808 1-412-549-11 L809 1-459-104-00 L810 1-460-197-21	FERRITE BEAD INDUCTOR INDUCTOR IMMH COIL, WITH CORE COIL, FERRITE (PMC)		R604 R605 R606 R607	1-260-200-11 1-216-313-00 1-216-033-00 1-216-061-00	CARBON METAL GLAZE METAL GLAZE	240K 5% 8.2 5% 220 5% 3.3K 5%	1/2W 1/10W 1/10W 1/10W
L811 1-412-519-11 L812 1-412-519-11 L813 1-412-519-11	INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 3.3UH COIL, HORIZONTAL LINEARITY		R608 R609 R610 R611 R612	1-215-928-11 1-216-005-00 1-247-881-00 1-249-405-11 1-247-894-11	CARBON CARBON	68K 5% 15 5% 120K 5% 100 5% 430K 5%	3W F 1/10W 1/4W 1/4W 1/4W



Les composants identifies par une trame et une marque Å sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie. The components identified by shading and mark $\, \hat{\Delta} \,$ are critical for safety.

Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R613 R614 R615 R617 R618	1-216-260-00 1-216-487-11 1-216-487-11 1-216-033-00 1-216-449-11	METAL OXIDE 1 METAL OXIDE 1 METAL GLAZE 2	390K 5% 12K 5% 12K 5% 220 5% 56 5%	1/8W 3W 3W 1/10W 2W	म न न	R851 R852 R853 R854 R855	1-247-743-11 1-249-389-11 1-249-443-11 1-249-443-11 1-202-818-00	CARBON CARBON CARBON CARBON SOLID	220 5% 4.7 5% 0.47 5% 0.47 5% 1K 10%	1/4W 1/2W	F F
R620 R621 R622 R623 R625	1-216-045-00 1-216-659-11 1-216-041-00 1-216-073-00 1-216-449-11	METAL CHIP 2 METAL GLAZE 4 METAL GLAZE 1 METAL OXIDE 5	470 5% 10K 5% 56 5%	1/10W 1/10W 1/10W 1/10W 2W % 1/10W	F	R858 R864 R865 R866 R867 R868	1-249-425-11 1-216-686-11 1-215-493-00 1-216-687-11 1-216-113-00 1-249-435-11	CARBON METAL CHIP METAL METAL CHIP METAL GLAZE CARBON	4.7K 5% 30K 0.50% 1M 1% 33K 0.50% 470K 5% 33K 5%	1/4W	
R626 R627 R629 R630 R631	1-216-635-11 1-249-398-11 1-215-464-00 1-249-421-11 1-216-397-11	CARBON AMETAL CARBON METAL OXIDE	27 5% 62K 1% 2.2K 5% 4.7 5%	1/4W 1/4W 1/4W 1/4W 3W	F	R871 R872 R873 R876 R877	1-249-493-11 1-249-393-11 1-249-393-11 1-249-421-11 1-215-880-00	CARBON CARBON CARBON CARBON CARBON METAL OXIDE	56K 5% 10 5% 10 5% 2.2K 5%	1/2W 1/4W 1/4W	구 구 구
R633 R634 R635 R636 R637	1-249-415-11 1-215-477-00 1-216-073-00 1-216-452-11 1-216-113-00 1-216-073-00	METAL GLAZE METAL OXIDE METAL GLAZE	220K 1% 10K 5% 180 5% 470K 5%	1/4W 1/10W 2W 1/10W	F	R878 R884 R889 R893 R894	1-215-883-11 1-216-693-11 1-216-089-00 1-215-878-00 1-216-264-00	METAL OXIDE METAL CHIP METAL GLAZE METAL OXIDE METAL GLAZE	33 5%	2W 1/10W 1/10W 1W 1/8W	F
R639 R640 R645 R646	1-216-089-00 1-216-089-00 1-207-905-00 1-215-464-00 1-216-097-00	METAL GLAZE WIREWOUND METAL METAL GLAZE	47K 5% 0.27 10% 62K 1% 100K 5%	1/10% 2W 1/4W 1/10%) F	R895 R897 R898 R1501 R1502	1-216-079-00 1-216-089-00 1-216-262-00 1-216-673-11 1-216-665-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP	18K 5% 47K 5% 470K 5% 8.2K 0.50% 3.9K 0.50%	1/10W 1/10W 1/8W 1/10W 1/10W	
R647 R651 R801 R802 R804	1-216-069-00 1-216-069-00 1-216-295-00 1-217-778-11	METAL GLAZE METAL GLAZE METAL GLAZE FUSIBLE	6.8K 5% 6.8K 5% 0 5% 1K 5%	1/100 1/100 1/100 1W	V V F	R1503 R1504 R1505 R1506 R1508	1-216-065-00 1-216-081-00 1-216-081-00 1-216-057-00 1-216-684-11	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 22K 5% 22K 5% 2.2K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R805 R806 R807 R808 R809	1-216-677-11 1-216-061-00 1-216-037-00 1-216-085-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 5% 330 5% 33K 5% 100K 5%	1/100 1/100 1/100 1/100 1/100	ry ry ry	R1509 R1510 R1511 R1512 R1514	1-216-091-00 1-249-382-11 1-215-887-00 1-216-371-00	METAL GLAZE CARBON METAL OXIDE METAL OXIDE	56K 5% 1.2 5% 150 5% 1.5 5% 1K 5%	1/10W 1/4W 2W 2W 1/10W	뒤 뒤 뒤
R811 R812 R813 R814 R815	1-216-033-00 1-216-061-00 1-216-065-00 1-216-091-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 3.3K 5% 4.7K 5% 56K 5% 22K 5%	1/10 1/10 1/10 1/10	ผ ผ ผ		1-216-065-00		4.7K 5%	1/10%	
R819 R820 R821 R822 R823	1-247-755-11 1-216-097-00 1-215-918-00 1-215-918-00 1-216-065-00	METAL GLAZE METAL OXIDE METAL OXIDE	1.8K 5% 100K 5% 1.5K 5% 1.5K 5% 4.7K 5%	1/2W 1/10 3W 3W 1/10	W F W		< Ţ F	RES, ADJ, CA			
R824 R825 R826 R828 R829	1-216-675-11 1-216-345-11 1-216-166-00 1-216-121-00 1-249-429-11	METAL OXIDE METAL GLAZE METAL GLAZE	10K 0.5 0.47 5% 47 5% 1M 5% 10K 5%	1/10 1W 1/8W 1/10 1/4W	F))W	T801 T803	▲ 1-453-118-11 1-437-090-00	*******	ASSY, FLYBAC	K (UX-2	2600A2)
R830 R832 R833 R834 R835	1-216-687-11 1-216-089-00 1-216-105-00 1-216-109-00 1-216-057-00) METAL GLAZE) METAL GLAZE) METAL GLAZE	33K 0.5 47K 5% 220K 5% 330K 5% 2.2K 5%	50% 1/10 1/10 1/10 1/10 1/10)W)W			A V BOARD, CO ************************************	MPLETE *****		
R836 R837 R838 R839 R841	1-216-242-0 1-216-695-1 1-216-091-0 1-216-055-0 1-249-397-1	1 METAL CHIP 0 METAL GLAZE 0 METAL GLAZE	68K 5% 68K 0. 56K 5% 1.8K 5% 22 5%	1/80 1/10 1/10 1/10 1/4)W)W	C01 C02 C03 C04 C05	1-124-916-1 1-163-038-0 1-163-038-0 1-124-916-1 1-163-037-1	O CERAMIC CHI O CERAMIC CHI 1 ELECT	P 0.1MF 22MF	20% 20% 10%	50V 25V 25V 50V 25V
R842 R846 R847 R849	1-215-890-1 1-216-671-1 1-216-699-1 1-215-908-0	1 METAL CHIP	470 5% 6.8K 0. 100K 0. 33 5%	50% 1/1 50% 1/1		C06 C07 C08 C09	1-124-120-1 1-124-903-1 1-163-097-0 1-163-141-0	1 ELECT O CERAMIC CHI		20% 20% 5% 5%	16V 50V 50V 50V



REF.NO.	PART NO.	DESCRIPTION			REMARK		PART NO.	DESCRIPTION				REMA
	1-163-133-00 1-163-037-11 1-163-127-00	CERAMIC CHIP 47 CERAMIC CHIP 0. CERAMIC CHIP 27	OPF 022MF OPF	5% 10% 5%	50V 25V 50V	Q01 Q03		NSISTOR>		m 4.45 V	_	
C13 C14 C15	1-163-097-00	CERAMIC CHIP 10 CERAMIC CHIP 15 CERAMIC CHIP 27	PF !		50 V	Q04 Q 06	8-729-901-81 8-729-901-81 8-729-901-81	TRANSISTOR 2SO TRANSISTOR 2SO TRANSISTOR 2SO TRANSISTOR 2SO	2412K- 2412K- 2412K-	T-146-1 T-146-1 T-146-1	R R R	
C16 C17 C18 C19	1-164-232-11 1-163-809-11 1-163-093-00 1-163-089-00	CERAMIC CHIP 27 CERAMIC CHIP 0. CERAMIC CHIP 0. CERAMIC CHIP 10 CERAMIC CHIP 6P	O1MF O47MF OPF	10% 10% 5% 0.25PF	50V 25V 50V	Q07 Q08	8-729-901-81 8-729-216-22 8-729-901-81	TRANSISTOR 250 TRANSISTOR 250 TRANSISTOR 250	C2412K- A1162-G C2412K-	T-146-I T-146-I	R R	
C20 C21 C22		CERAMIC CHIP 22 CERAMIC CHIP 0. CERAMIC CHIP 10 CERAMIC CHIP 0. CERAMIC CHIP 2.			50V 25V 50V	Q09 Q10 Q11 Q12	8-729-901-81 8-729-901-81	TRANSISTOR 2SO TRANSISTOR DTO	C2412K- C2412K-	T-146-l	R	
C23 C24	1-164-505-11	CERAMIC CHIP U.	OUTOMP 2MF	5%	50V 16V	i ! !		ISTOR>				
C25 C26 C28 C30 C32	1-164-505-11 1-163-809-11 1-163-137-00 1-136-171-00 1-163-038-00	CERAMIC CHIP 2. CERAMIC CHIP 6. CERAMIC CHIP 6. FILM 0. CERAMIC CHIP 0.	2MF .047MF BOPF .33MF .1MF	10% 5% 5%	16V 25V 50V 50V 25V	JR02 R01 R02 R03 R04	1-216-295-00 1-216-025-00 1-216-025-00 1-216-055-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 100 100 1.8K 1K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
C33 C34 C35 C36 C37	1-124-910-11 1-124-907-11 1-163-243-11 1-163-239-11 1-216-295-00	ELECT 47 ELECT 10 CERAMIC CHIP 47 CERAMIC CHIP 33 METAL GLAZE 0	7MF)MF 7PF 3PF) 5%	20% 20% 5% 5% 1/10W	50V 50V 50V 50V	R05 R06 R07 R08 R09	1-216-041-00 1-216-029-00 1-216-041-00 1-216-071-00 1-216-091-00	METAL GLAZE METAL GLAZE	470 150 470 8.2K 56K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
C39 C40 C53 C54		CERAMIC CHIP 56 CERAMIC CHIP 33 CERAMIC CHIP 0. CERAMIC CHIP 0.			50V 50V 25V 25V	R10 R11 R12 R13 R15	1-216-057-00 1-216-057-00 1-216-057-00 1-216-065-00 1-216-061-00	METAL GLAZE METAL GLAZE	2.2K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>R16 R17</td><td>1-216-033-00 1-216-033-00</td><td>METAL GLAZE</td><td></td><td>5%</td><td>1/10W 1/10W</td><td></td></con<>	NECTOR>				R16 R17	1-216-033-00 1-216-033-00	METAL GLAZE		5%	1/10W 1/10W	
CN1737 CN1741	*1-564-511-11 *1-564-511-11	PLUG, CONNECTOR PLUG, CONNECTOR	R 8P R 8P			R20 R21 R22	1-216-049-00 1-216-049-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	1 K 1 K 2 . 2 K	5%	1/10W 1/10W 1/10W 1/10W	
CT01	<tri< td=""><td>MMER></td><td></td><td></td><td></td><td>R23 R24 R25</td><td>1-216-065-00 1-216-091-00 1-216-065-00</td><td>METAL GLAZE</td><td>56K 4.7K</td><td>5% 5%</td><td>1/10W 1/10W 1/10W</td><td></td></tri<>	MMER>				R23 R24 R25	1-216-065-00 1-216-091-00 1-216-065-00	METAL GLAZE	56K 4.7K	5% 5%	1/10W 1/10W 1/10W	
	<d10< td=""><td>۲</td><td></td><td></td><td></td><td>R26 R27</td><td>1-216-081-00 1-216-043-00</td><td></td><td>22K 560</td><td>5% 5%</td><td>1/10W 1/10W</td><td></td></d10<>	۲				R26 R27	1-216-081-00 1-216-043-00		22K 560	5% 5%	1/10W 1/10W	
D01 D03	8-719-400-18	DIODE MA152WK DIODE 1S2836				R28 R29 R30	1-216-043-00 1-216-043-00 1-216-037-00	METAL GLAZE	560 560 330	5% 5% 5%	1/10W 1/10W 1/10W	
D04 D09 D10	8-719-104-34 8-719-400-18 8-719-400-18	DIODE 1S2836 DIODE MA152WK DIODE MA152WK				R31 R32	1-216-061-00 1-216-073-00	METAL GLAZE METAL GLAZE	3.3K 10K	5% 5%	1/10W 1/10W	
D11 D12	8-719-400-18 8-719-400-18	DIODE MA152WK DIODE MA152WK				R33 R34 R35 R36 R37	1-216-017-00 1-216-081-00 1-216-081-00 1-216-057-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47 22K 22K 2.2K 2.2K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
I CO 1	<1C2 8-759-166-41	IC SDA5248-2C1				R38 R39	1-218-773-11 1-218-758-11	METAL CHIP	750K 180K	0.50% 0.50%	1/10W	
1 CO2 1 CO3 1 CO4 1 CO5	8-759-037-64 8-759-035-39 8-752-353-39 8-759-987-16	1C SDA5231-2 IC MCM514256AP IC CXD1050A-15 IC LM393P	80 P			R40 R41 R42	1-216-043-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	560 220 220	5% 5% 5%	1/10W 1/10W 1/10W	
	<co:< td=""><td></td><td></td><td></td><td></td><td>R43 R44 R46</td><td>1-216-033-00 1-216-033-00 1-216-073-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>220 220 10K</td><td>5% 5%</td><td>1/10W 1/10W 1/10W</td><td></td></co:<>					R43 R44 R46	1-216-033-00 1-216-033-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 220 10K	5% 5%	1/10W 1/10W 1/10W	
L01 L02	1-408-411-00 1-408-414-00	INDUCTOR	15UH 27UH			R47 R48	1-216-057-00 1-216-071-00	METAL GLAZE METAL GLAZE	2.2K 8.2K	5%	1/10W 1/10W	
L03 L04 L05	1-408-417-00 1-408-413-00 1-408-409-00	INDUCTOR	47UH 22UH 10UH			R49 R50 R54 R55	1-216-071-00 1-216-071-00 1-216-073-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 8.2K 10K 6.8K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	



REMARK REMARK ! REF. NO. PART NO. DESCRIPTION DESCRIPTION REF.NO. PART NO. <10> 4.7K 0.50% 1/10W 1-216-667-11 METAL CHIP R56 1C091 8-741-101-75 1C SBX1610-11 <CRYSTAL> <RESISTOR> 1-567-495-11 OSCILLATOR, CRYSTAL X02 1/4W 470 ********************** *1-643-004-21 H1 BOARD ****** *A-1651-046-A J BOARD, COMPLETE ********* <CAPACITOR> <CAPACITOR> 25V 25V 1-163-037-11 CERAMIC CHIP 0.022MF 1-163-037-11 CERAMIC CHIP 0.022MF 10% C083 C087 470MF 20% 167 C281 1-126-103-11 ELECT 1-10-103-11 ELECT 4/UMF 1-101-003-00 CERAMIC 0.0047MF 1-163-009-11 CERAMIC CHIP 0.001MF 1-163-009-11 CERAMIC CHIP 0.001MF 0.0047MF 50V C293 0.0047MF 50V C294 <CONNECTOR> 10% 10% 50V C295 50**V** CN1008*1-564-516-11 PLUG, CONNECTOR 13P C296 1-101-004-00 1-163-017-00 1-163-017-00 50V CERAMIC 0906 CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF CERAMIC CHIP 470PF 10% 10% 5% 5% 50V C910 <JACK> 507 C911 C912 1-568-678-11 TERMINAL BLOCK, S 3P 1-562-837-11 JACK 1-163-133-00 50V 50V 1-163-133-00 CERAMIC CHIP 470PF C913 J82 5% 5% 10% 10% 20% CERAMIC CHIP 150PF CERAMIC CHIP 150PF CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF 50 V C914 1-163-121-00 1-163-121-00 1-163-121-00 1-163-017-00 1-163-017-00 1-124-477-11 507 Č915 <COIL> 50V C916 50V 1-408-409-00 INDUCTOR 1-408-409-00 INDUCTOR C917 TOTTH L081 C922 ELECT 10111 L082 1-164-346-11 1-124-477-11 1-124-477-11 1-164-346-11 161 CERAMIC CHIP IMF C923 47MF 20% ELECT 167 <RESISTOR> C924 16V C925 C926 ELECT 47MF 20% 167 0 5% 10K 5% 4.7K 5% 2.2K 5% 1.5K 5% CERAMIC CHIP IMF 1-216-295-00 1/10W METAL GLAZE JR021 47MF 20% 161 1-124-477-11 1-216-073-00 METAL GLAZE 1-216-065-00 METAL GLAZE 1-216-057-00 METAL GLAZE 1-216-202-00 METAL GLAZE ELECT C927 1/10WR081 1/10W 20% 20% 20% R082 161 47MF C928 1-124-477-11 1/10W R083 1-124-477-11 1-124-477-11 1-164-346-11 167 C929 ELECT 47MF 1/8W R084 167 47MF C930 ELECT CERAMIC CHIP IMF 161 1/8W C931 1-216-202-00 METAL GLAZE 1.5K 52 R085 CERAMIC CHIP IMF 161 1-164-346-11 €932 <SWITCH> <CONNECTOR> 1-571-532-21 SWITCH, TACTIL 1-571-532-21 SWITCH, TACTIL 1-571-532-21 SWITCH, TACTIL S081 CN1209 1-695-302-11 CONNECTOR, BOARD TO BOARD 50P CN1210*1-564-522-11 PLUG, CONNECTOR 7P CN1240*1-564-519-11 PLUG, CONNECTOR 4P S082 S083 <DIODE> *1-642-997-11 H2 BOARD ***** 8-719-921-69 DIODE MTZJ-9.1 8-719-921-69 DIODE MTZJ-9.1 8-719-921-69 DIODE MTZJ-9.1 8-719-921-69 DIODE MTZJ-9.1 D903 *4-201-076-01 HOLDER, LED *4-374-987-01 GUIDE, LIGHT 4-381-686-01 BRACKET (B), LIGHT GUIDE D904 8-719-921-69 8-719-921-69 D907 D908 8-719-921-69 DIODE MTZJ-9.1 D909 8-719-921-69 DIODE MTZJ-9.1 D910 <CONNECTOR> DIODE MTZJ-9.1 DIODE MTZJ-9.1 8-719-921-69 8-719-921-69 8-719-921-69 D911 D912 CN1132*1-568-882-51 PIN, CONNECTOR 7P DIODE MTZJ-9.1 D913 8-719-921-69 DIODE MTZJ-9.1 D914 <DIODE> DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 8-719-921-69 8-719-921-69 8-719-921-69 D915 8-719-948-31 DIODE LD-201VR 8-719-948-31 DIODE LD-201VR 8-719-948-31 DIODE LD-201VR D916 D092 D917 0093 D924 8-719-921-69 D094 DIODE MTZJ-9.1 D925 8-719-921-69 8-719-921-69 DIODE MTZJ-9.1 D926

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
D927 D928	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1				R927 R928 R929	1-216-039-00 1-216-089-00 1-216-063-00		390 47 K 3.9K	5% 5% 5%	1/10W 1/10W 1/10W	
	<jac< td=""><td></td><td></td><td></td><td></td><td>R930 R931</td><td>1-216-113-00 1-216-212-00</td><td>METAL GLAZE METAL GLAZE</td><td>470K 3.9K</td><td>5% 5% 5%</td><td>1/10W 1/8W</td><td></td></jac<>					R930 R931	1-216-113-00 1-216-212-00	METAL GLAZE METAL GLAZE	470K 3.9K	5% 5% 5%	1/10W 1/8W	
J291 J903 J905	1-537-505-11 1-695-550-11 1-695-293-11	TERMINAL BOARD (2 SOCKET 21P SOCKET 21P	P)			R932 R933 R934	1-216-113-00 1-216-073-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W 1/10W	
	<c01< td=""><td>L></td><td></td><td></td><td></td><td>R935 R936 R937</td><td>1-216-022-00 1-216-022-00 1-216-113-00</td><td>METAL GLAZE</td><td>75 75 470K</td><td>5% 5%</td><td>1/10W 1/10W 1/10W</td><td></td></c01<>	L>				R935 R936 R937	1-216-022-00 1-216-022-00 1-216-113-00	METAL GLAZE	75 75 470K	5% 5%	1/10W 1/10W 1/10W	
L281 L282 L283	1-402-711-11	INDUCTOR, WIDEBAN INDUCTOR, WIDEBAN INDUCTOR, WIDEBAN	D			R938 R939	1-216-039-00 1-216-188-00	METAL GLAZE METAL GLAZE	390 390	5% 5%	1/10W 1/8W	
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>R940 R941 R942</td><td>1-216-063-00 1-216-113-00 1-216-188-00</td><td>METAL GLAZE METAL GLAZE</td><td>3.9K 470K 390</td><td>5% 5% 5% 5%</td><td>1/10W 1/10W 1/8W</td><td></td></tra<>	NSISTOR>				R940 R941 R942	1-216-063-00 1-216-113-00 1-216-188-00	METAL GLAZE METAL GLAZE	3.9K 470K 390	5% 5% 5% 5%	1/10W 1/10W 1/8W	
Q281 Q282	8-729-901-81	TRANSISTOR 2SC241 TRANSISTOR 2SC241	2K-T-14 2K-T-14	16-R 16-R		R943 R944	1-216-089-00 1-216-188-00	METAL GLAZE METAL GLAZE	47K 390	5% 5%	1/10W 1/8W	
42 02		SISTOR>	.			R945 R947 R950	1-216-089-00 1-216-029-00 1-216-063-00	METAL GLAZE	47K 150 3 9K	5% 5% 5%	1/10W 1/10W 1/10W	
JR901			5%	1/10W		R951 R959	1-216-063-00 1-216-071-00	METAL GLAZE	3.9K 3.9K 8.2K	5% 5%	1/10W 1/10W	
JR906 JR915 JR917	1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 5%	1/10W 1/10W 1/8W		R960 R965	1-216-071-00 1-216-029-00	METAL GLAZE	8.2K 150	5% 5%	1/10W 1/10W	
JR919	1-216-296-00			1/10W 1/8W		R966 R967 R968	1-216-029-00 1-216-029-00 1-216-055-00	METAL GLAZE	8.2K 150 150 150 1.8K	5% 5% 5%	1/10W 1/10W 1/10W	
JR921	1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 5% 5% 5%	1/10W 1/10W 1/8W		R969 R970	1~216~055~00 1~216~055~00	METAL GLAZE			1/10W 1/10W	
JR926 JR927	1-216-296-00	METAL GLAZE O METAL GLAZE O	5% 5%	1/8W 1/8W		R971 R972 R973	1-216-055-00 1-216-055-00 1-216-055-00	METAL GLAZE	1.8K 1.8K 1.8K 1.8K 1.8K	5% 5% 5%	1/10W 1/10W 1/10W	
JR928 JR935		METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 5% 5% 5%	1/8W 1/8W 1/8W		R974 R975	1-216-055-00 1-216-055-00	METAL GLAZE	1.8K		1/10W 1/10W	
	1-216-296-00	METAL GLAZE O	5% 5%	1/8W 1/8W		R976 R977	1-216-055-00 1-216-055-00	METAL GLAZE	1.8K 1.8K	5%	1/10W 1/10W	
JR954 JR955	1-216-295-00 1-216-295-00	METAL GLAZE O METAL GLAZE O	5% 5% 5% 5%	1/10W 1/10W		*****		***********	******	*****	******	*******
JR957	1-216-295-00 1-216-295-00			1/10W 1/10W		T ANTEN	**	SCELLANEOUS ************ ***********************		Patha Pale	r (egyelek)	t Lydykla Attar
R282 R283 R284	1-216-073-00 1-216-073-00 1-216-073-00	METAL GLAZE 10 METAL GLAZE 10 METAL GLAZE 10	K 5%	1/10W 1/10W 1/10W			<u>M</u> 1-402-746-21 M 1-451-311-21 1-452-032-00	COLL, DEGAUS DEFLECTION Y MAGNET, DISK	UKB (Y2	25FXA) Ø		
R287 R288	1-216-216-00 1-216-216-00	METAL GLAZE 5.	6K 5% 6K 5%	1/8W 1/8W		a second/road	1-452-094-00 1-544-727-11	MAGNET, ROTA	TABLE	OISK;	15MM ø	amba Lagarana Arri
R289 R290 R291	1-216-063-00 1-216-216-00 1-249-413-11	METAL GLAZE 3. METAL GLAZE 5. CARBON 47	6K 5%	1/10W 1/8W 1/4W			<u>ል</u> 1-590-460-11 ል 1-690-296-11	(KV-	X2560B	X25611	B.X2561	K, X2563E)
R292 R907	1-249-413-11 1-216-029-00	CARBON 47	0 5%	1/4W 1/10W				CORD, POWER			(K	V-X2561A)
R908 R911	1-216-029-00 1-216-022-00	METAL GLAZE 75	0 5% 5%	1/10W 1/10W			∆ 1-590-762-11	CORD, POWER	(WITH I	PLUG)		V-X2561D) 62U)
R913 R914 R919	1-216-063-00 1-216-063-00 1-216-063-00	METAL GLAZE 3.	5% 9K 5% 9K 5% 9K 5%	1/10W 1/10W 1/10W				PICTURE TUBE	(MANATAN)			*****
R920 R921	1-216-063-00 1-216-022-00	METAL GLAZE 75	9K 5%	1/10W 1/10W			ACCESSO	RIES AND PACKI	NG MAT	ERIALS		
R922 R923 R924	1-216-222-00 1-216-039-00 1-216-039-00	METAL GLAZE 39	0 5%	1/8W 1/10W 1/10W			3-756-488-51	MANUAL, INST	RUCTIO	N (FRE		
R925 R926	1-216-089-00 1-216-039-00			1/10W 1/10W			3-756-488-41 3-756-488-81				NCH/GER	

REF.NO. PART NO.	DESCRIPTION	REMARK							
3-756-488-11 3-756-488-91	MANUAL, INSTRUCTION (GERMAN/ENG DUTCH/FRENCH/ITALIAN) (K MANUAL, INSTRUCTION (ENGLISH/GE RUSSIAN/POLISH/CZECHOSLOVAK/HUM (K	V-X2561D); RMAN/							
3-756-488-61 3-756-488-71 3-756-490-81	MANUAL, INSTRUCTION (ENGLISH) (MANUAL, INSTRUCTION (SPANISH) (MANUAL, INSTRUCTION (DANISH/FINSWEDISH/FRENCH/DUTCH/NORWEGIAN, PORTUGUESE)	(V-X2563E) INISH/							
*4-034-981-01 *4-035-035-01 *4-035-040-01 *4-380-340-01	CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY) INDIVIDUAL CARTON BAG, PROTECTION								
REMOTE COMMANDER									

1-693-176-11 REMOTE COMMANDER (RM-830) 9-903-466-01 COVER, POCKET (FOR RM-830)